Tubular Products
Boldness changes everything
Contents

ArcelorMittal – Profile 5
ArcelorMittal – Tubular Products 6
Energy 9
  Global reach 10
  Global resources 12
  Fact sheet 16
Mechanical 19
  Global reach 20
  Global resources 23
  Fact sheet 28
Automotive 31
  Global reach 32
  Global resources 34
  Fact sheet 38
ArcelorMittal is the world’s number one steel company, with 310,000 employees in more than 60 countries. It has led the consolidation of the world steel industry and today ranks as the only truly global steelmaker with an industrial presence in 28 countries. As an integral part of this, the company holds a strong worldwide position in tubular products.

ArcelorMittal is the leader in all major global markets, including automotive, construction, energy, household appliances and packaging. The group leads in R&D and technology, holds sizeable captive supplies of raw materials and operates extensive distribution networks.

Its industrial presence in Europe, Asia, Africa, North America and South America gives the group exposure to all the key steel markets, in emerging and mature economies. ArcelorMittal will be looking to develop positions in the high growth Chinese and Indian markets.

ArcelorMittal key unaudited financials for 2007 show revenues of US $105.2 billion, with crude steel production of 116 million tons, representing around 10% of world steel output.

ArcelorMittal is currently listed under the legal entity Mittal Steel N.V. on the stock exchanges of New York, Amsterdam, Paris, Brussels, Luxembourg and on the Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia.
The Tubular Products Division of ArcelorMittal is one of the world’s largest and most diversified producers of pipe and tube products, servicing markets around the world from 21 different operating locations in 11 different countries. We produce and market virtually the full spectrum of tubing products in an unparalleled range of sizes. With its seamless, spiral welded and longitudinal welded small and large outside diameter products, the company is active in the Energy, Mechanical and Automotive markets.

ArcelorMittal operates pipes and tubes making facilities on four continents: Europe, Asia, Africa and North America. With capacity from Canada to Kazakhstan and from Poland to South Africa, we are able to meet customers’ needs around the world.

The division was formed from merging ArcelorMittal Pipes and Tubes assets with Dofasco Tubular Products in 2007. Dofasco Tubular Products itself had been formed in 2005 when Dofasco de Mexico and the Hamilton & Marion tubing plants merged with Copperweld’s automotive and mechanical businesses.

In steel pipes and tubes the Tubular Products Division has annual manufacturing capacity of 3 million tons and revenues in excess of $2.2 billion. It employs over 9,000 employees worldwide, has announced plans to develop greenfield sites in Saudi Arabia and Nigeria, and will continue to grow and make its mark on the industry.

Our goal is to provide the leadership that will transform tomorrow’s steel tubes industry. We have a clear vision of the future, underpinned by a consistent set of values: sustainability, quality and leadership. Sustained by these we expect to meet your global needs.

Sustainability
We are guiding the evolution of steel tubes to secure the best future for the industry and for generations to come. Our commitment to the world around us extends beyond the bottom line, to include the people in whom we invest, the communities we support and the world in which we operate. This long-term approach is central to our business philosophy.

Quality
ArcelorMittal’s Tubular Products Division holds approvals, certificates and licences from major national and international official authorities, customers and third-party organizations. By working closely with our customers, we ensure that our pipes and tubes meet all customer specific requirements. Sharing best practice and technical expertise across our business enables us to be on top of the latest market developments and offer competitive solutions to our customers.

Leadership
We are visionary thinkers, creating opportunities every day. This entrepreneurial spirit brought us to the forefront of the steel pipes and tubes industry. We are concentrating on doing what we do best: combining the strengths of our plants around the world and leveraging our presence in individual markets, creating new opportunities worldwide and expanding our product base to fulfill our customers’ demands. In this way the Tubular Products Division of ArcelorMittal has rapidly established itself as a major player in the industry. Together we are creating a truly modern, efficient and technologically advanced pipes and tubes business.

Thanks to the worldwide commitment of our people, integrated network of production sites and research & development centers, ArcelorMittal’s Tubular Products Division satisfies the needs of its clients efficiently providing high quality, high performance products in increasingly complex operating environments.
Energy

As demand for the world’s oil and gas resources increases, ArcelorMittal’s pipes play an essential role in their extraction and distribution. Our products meet the reliability requirements of our most demanding customers in the oil and gas industry around the world.

Customer focus
Our customers choose us because of our global spread and wide range of products. A team of experts is at our customers’ disposal throughout our network of sales offices. We aim to deliver comprehensive pipe solutions, meeting the specific and detailed needs of customers’ projects. Our people also recognize the value of flexibility and good working relationships as important features in our business.

Wide product range
ArcelorMittal Tubular Products produces a broad assortment of pipes to meet the highest of standards, for ‘down hole’ as well as ‘upstream’ requirements.

Our product range covers almost the entire requirement of the energy industry, e.g. ERW line pipes, seamless line pipes, large diameter spiral and longitudinally welded line pipes and OCTG. With manufacturing units spreading across Europe, Asia and Africa producing pipe sizes ranging from 0.5 inch to 36 inch, we are truly a global tubular solution provider for the energy industry.
Energy Global reach

Europe
1. Czech Republic, Ostrava
   Zuzana Blahutova
   Vratimovská 689
   70702 Ostrava Kuncice
   T +420 595 68 25 01
   F +420 595 68 39 77
   E ostrava.tubularproducts@arcelormittal.com

2. Finland, Turku
   Janne Miettinen
   World Trade Center
   Veistämönaukio 1-3
   20100 Turku
   T +358 20 743 09 40
   F +358 20 743 09 41
   E turku.tubularproducts@arcelormittal.com

3. France, Gandrange
   Ludovic Martin
   BP3
   Site industriel de Gandrange
   57360 Amneville
   T +33 3 87 70 68 78
   F +33 3 87 70 78 78
   E gandrange.tubularproducts@arcelormittal.com

4. Germany, Duisburg
   Martin Ebrecht
   Wörthstraße 125
   47053 Duisburg
   T +49 203 606 73 54
   F +49 203 606 73 18
   E duisburg.tubularproducts@arcelormittal.com

5. Italy, Milan
   Enrico Caruso
   Centro d’Innovazione Milano Olbia/Palazzo Tintoretto
   Via Carpi 224
   20900 Legnano (MI)
   T +39 02 2638 15 36
   F +39 02 2638 15 40
   E milan1.tubularproducts@arcelormittal.com

6. Romania, Galati
   Daniel Dima
   3, Smardan Street
   Galati 800658
   Romania
   T +40 236 80 42 21
   F +40 236 80 42 94
   E galati.tubularproducts@arcelormittal.com

7. Romania, Iasi
   Corneliu Toma
   Calea Chisinaului Street 132
   Iasi 700180
   Romania
   T +40 233 70 11 60
   F +40 233 74 84 05
   E iasi.tubularproducts@arcelormittal.com

8. Slovak Republic, Kosice
   Gabriel Spisak
   Slovak Republic and Hungary
   Letna 45
   040 01 Kosice
   T +421 55 682 39 49
   F +421 55 682 93 08
   E kosice.tubularproducts@arcelormittal.com

9. UK, Solihull
   Vineet Pahwa
   1300 Post Oak Blvd.
   Suite 825
   Houston, TX 77056
   United States of America
   T +1 713 877 4401
   F +1 713 961 9687
   E houston.tubularproducts@arcelormittal.com

10. UK, Solihull
    Rajesh Kumar
    Stefanie Michele
    1 South Dearborn Street
    Chicago, IL 60603
    United States of America
    T +1 312 899 3798
    F +1 312 899 3797
    E chicago.tubularproducts@arcelormittal.com

Africa
13. Algeria, Annaba
    Purnendu Choudhury
    SEZ, Morport Annaba
    BP 2055 – 23000 Annaba
    Algeria
    T +213 3887 22 72
    F +213 3887 22 72
    E annaba.tubularproducts@arcelormittal.com

14. South Africa, Vereeniging
    Bruce Tomlinson
    P.O. Box 48
    Vereeniging 1930
    South Africa
    T +27 16 400 42 20
    F +27 16 423 49 06
    E vereeniging.tubularproducts@arcelormittal.com

North America
15. USA, Chicago
    Serguei Malyshev
    1 South Dearborn Street
    13th floor
    Chicago, IL 60603
    United States of America
    T +1 312 899 3798
    F +1 312 899 3797
    E chicago.tubularproducts@arcelormittal.com

16. USA, Houston
    Serguei Malyshev
    1300 Post Oak Blvd.
    Suite 825
    Houston, TX 77056
    United States of America
    T +1 713 877 4401
    F +1 713 961 9687
    E houston.tubularproducts@arcelormittal.com
Czech Republic – Ostrava
Established in 1951 and part of ArcelorMittal since January 2003, ArcelorMittal Ostrava, Tubular Products (formerly known as Nova Hut) has continuously invested in upgrading its facilities to produce a superior range of pipes and tubes. For energy purposes, we offer seamless products for OCTG and line pipes, as well as spiral welded pipes for line pipes. The combination of in-house steel-making and Czech reliability when it comes to quality has resulted in an outstanding portfolio of products. Our skilled technical staff are always ready to offer help and advice to make sure your project is a complete success. ArcelorMittal Ostrava, Tubular Products facilities include Stiefel seamless tube mills, a spiral welded tube mill, heat treatment installations, and facilities for threading, coating and flanging.

From our plant in Ostrava in the eastern Czech province of Moravia, we serve markets throughout Europe, the Middle East and North America. Our annual capacity is 320,000 tons (275,000 tons seamless of which 75,000 tons OCTG, and 45,000 tons spiral welded).

Romania – Galati
ArcelorMittal Galati, Tubular Products produces longitudinal submerged arc welded (LSAW) pipes for the transportation of oil, gas, hydrocarbons and water. The business, formerly Sidex, joined ArcelorMittal in 2001. Our location in eastern Romania, close to the Danube and the Black Sea port of Constanta ensures efficient distribution to Central and Southern Europe, the Middle East and North America. Our annual capacity is 380,000 tons.

As part of the largest European producer of plates, the pipe and tube mill is able to draw on in-house resources for its raw materials. Galati’s tubular products are used for some of the most demanding hydrocarbon pipe lines in Europe and North America. We also manufacture and supply pipes for pileings and structural casings in critical high strength applications. We consistently endeavor to meet and surpass our customers’ expectations, and are fully conscious of the high quality and impeccable performance that are essential in the critical oil, gas and hydrocarbons industries.

Romania – Iasi
Established in 1963, ArcelorMittal Iasi, Tubular Products (formerly Tepro) is the largest producer of longitudinal welded steel tubes in Romania. From our location in Iasi, in the east of the country, we can easily distribute products throughout Romania and most of the surrounding countries. Our annual capacity is 380,000 tons.

Within the Tubular Products Division of ArcelorMittal, Iasi is the only supplier of small diameter longitudinal welded API line pipes for the energy market. ArcelorMittal Iasi’s, Tubular Products facilities include hot stretched reduction mills, cold forming tube mills, annealing furnaces for normalizing, coating lines, and machines for threading.

Romania – Roman
ArcelorMittal Roman, Tubular Products (formerly Petrotub Roman) is a one-stop shop for the entire range of tubular products required in the energy industry. Located in the northeast of Romania, we produce seamless pipes for oil and gas projects around the world. Our annual capacity is 480,000 tons. With the largest and widest size range on offer, ArcelorMittal Roman, Tubular Products produces high-quality seamless pipes in carbon steel and low-alloy steel for various applications in sectors such as oil and gas, chemicals, nuclear and conventional energy. The steel required is drawn from steel making resources within the group. Our facilities consist of 6 inch and 16 inch plug mills, as well as a 20 inch Pilger mill with threading and heat treatment.
Asia

Kazakhstan – Aktau
Located on the Caspian seaboard in western Kazakhstan, our Aktau unit produces spiral welded pipes especially for the nation’s growing hydrocarbon sector. Its annual capacity is 60,000 tons. Using steel double submerged-arc welding (DSAW) equipment, the Aktau unit is designed to produce high standard spiral welded pipes, in accordance with international standards for gas transmission lines. Pipes can be supplied with polyethylene protective coating on the outside and liquid epoxy coating on the inside. The steel required will be supplied by ArcelorMittal Termitau, and stringent process and quality controls have been incorporated at the plant to ensure that it meets the stringent demands of the oil and gas transportation industry.

Saudi Arabia – Jubail
ArcelorMittal Jubail, Tubular Products has a 51% participation in a joint venture agreement with the Bin Jarallah Group of companies for the design and construction of a seamless tube mill in Saudi Arabia. This state of the art facility will be located in Jubail Industrial City, north of Al Jubail on the Persian Gulf. The mill will have a capacity of 600,000 tons per year. About two thirds of its capacity will be used for OCTG, and the remainder for line pipe, in sizes ranging from 4 inch to 14 inch. Its location provides access to international sea lanes through the Persian Gulf as well as proximity to energy sources. The plant is expected to be commissioned in 2010. The management and operations will be under control of ArcelorMittal’s Tubular Products Division.

Africa

Algeria – Annaba
ArcelorMittal Annaba, Tubular Products produces seamless pipes and tubes for energy. Located in north-eastern Algeria, with its own berth in the seaport of Annaba, ArcelorMittal Annaba, Tubular Products in the Maghreb region is well located for deliveries in Algeria, North Africa and Southern Europe. Its annual capacity is 115,000 tons. As the only local seamless pipe manufacturer, the plant has the advantage of being integrated with the in-house steel shop. It produces 6 inch to 14 inch seamless line pipes and casings, including couplings. ArcelorMittal Annaba, Tubular Products has extensive experience with local, French and API approvals. We have a team of specialists specifically dedicated to the needs of northern African customers. The facilities make use of Pilger mill technology and include equipment for cutting, heat treatment and threading facilities.

Nigeria – Calabar
ArcelorMittal Calabar, Tubular Products will construct a 300,000 ton per annum Longitudinal Submerged Arc Welded (LSAW) pipe mill in Nigeria. This mill will service the regional oil and gas industry. The mill will be located within the Calabar Free Trade Zone in Cross River State in Nigeria. Construction is due to begin in the second half of 2008, with the mill starting production in 2010. The mill will produce large diameter welded pipes in the size range of 20 inch to 56 inch of up to X80 steel grade and wall thicknesses of between 6.4mm and 38.0mm, in line with the oil and gas industry’s technical specifications.

South Africa – Vereeniging
ArcelorMittal Vereeniging, Tubular Products offers a range of seamless products for the energy market. Located close to Johannesburg, we distribute throughout South Africa and, through two seaports, to Europe, North America, the Middle East, and Asia. The pipe and tube plant has an annual capacity of 100,000 tons. As ArcelorMittal Vereeniging, Tubular Products (formerly part of Iscor) has a long history of steel production. We are the only South African producer of seamless tubes, and by using modern techniques we are able to supply products of excellent quality. The tube mill is a fully integrated plant, using steel produced at ArcelorMittal’s local site at Vereeniging. ArcelorMittal Vereeniging, Tubular Products is an accredited API producer of line pipe and OCTG ‘green pipe’, and a reliable supplier to major petrochemical projects in South Africa and around the world. Our stringent quality control of the steel produced and state-of-the-art equipment in the pipe mill ensures an excellent quality product. Our staff is fully committed to serving our customers’ needs, either for projects or for regular supplies. Our facilities include a pipe mill, cold drawing benches, and finishing and coating equipment.
## Energy Fact sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard</th>
<th>Size</th>
<th>Grades/Quality</th>
<th>Special coatings and protection</th>
</tr>
</thead>
</table>

### Czech Republic
- **Ostrava**
  - **Seamless**
    - Threaded pipes for gas line
      - EN, DIN, CSA, UNI, NF
      - DN15 - DN125
      - 2.6mm - 5.4mm
      - 303 and equivalents
    - Flanged pipe for oil and gas transportation
      - DIN
      - DN80 - DN120
      - 3.6mm - 8.0mm
      - 11.353
  - **Lined pipe**
    - API SL
      - 3.0” - 7.0”
      - (76.2mm - 177.8mm)
      - 2.0mm - 8.3mm
      - up to 3X0D
  - **OCTG**
    - API 5CT – Casing
      - 4.5”- 10.75”
      - (114.3mm - 273.1mm)
      - 5.21mm - 13.84mm
      - J55, X42, X46, L80, CSR, F110, OS219
  - **Spiral welded**
    - Line pipe
      - EN, API, CSA, DIN, GOST
      - 12.75” - 22.0”
      - (323.9mm - 558.8mm)
      - 5.0mm - 12.0mm
      - up to 7 X0D

### Kazakhstan
- **Aktau**
  - **Spiral welded**
    - Line pipe
      - API 5L, L80, certification, GOST
      - 10.0 - 50”
      - (254mm - 1270mm)
      - Grade B - X 60
      - X 42 - X 60, Grade B

### Algeria
- **Annaba**
  - **Seamless**
    - Casing pipe (e.g., gas, water and oil transportation)
      - API 5 CT
      - 6.625 - 13.375”
      - (168.3mm - 339.7mm)
      - 6.91mm - 13.84mm
      - H40, J/K55, N80, L80, C90, C95, T95, P110
  - **Line pipe** (e.g., gas, water and oil transportation)
    - API 5L, EN, ASTM
      - 6.0 - 14.0”
      - (152.4mm - 356mm)
      - 4.78mm - 22.22mm
      - X 42 - X 60

### South Africa
- **Vereeniging**
  - **Seamless**
    - Line pipe
      - API A 106, EN 10216-2, API 5L
      - 1.333 - 6.625”
      - (33.4mm - 168.3mm)
      - 3.38mm - 18.26 mm
      - Grade B, P235, GH, TC1, Grade B, X42, X52
  - **OCTG (Green pipes)**
    - API 5CT - Tubing
      - 2.275 - 2.5”
      - (58.0 mm - 63.5 mm)
      - 3.0 - 10.77 lb/ft
      - [EN 10, 55, 560]
    - API 5CT - Casing
      - 4.5 - 7”
      - (114.3 mm - 177.8 mm)
      - 9.41 - 27.4 lb/ft
      - [EN 55, 560]

### Romania
- **Galati**
  - **Longitudinal welded**
    - Line pipe
      - API SL, ASTM, DIN, EN
      - 24.0 - 50.0”
      - (610.0 mm - 1270.0 mm)
      - 6.4mm - 17.5mm
      - X 42 - X 65, Grade 8

- **Iasi**
  - **Longitudinal welded**
    - Line pipe
      - API SL, ASTM, DIN, EN
      - 4.5” - 8.625”
      - (114.3mm - 219.1mm)
      - 3.0mm - 8.2mm
      - Gr A, Gr B, X42, X52, PSL 1

- **Romania**
  - **Seamless**
    - Line pipe
      - API, ASTM, ASME, EN
      - 3.0 - 20”
      - (76.2mm - 508mm)
      - 4.0mm - 50mm
      - A, B, C, X52 - X80
    - **OCTG**
      - API – Casting
        - 4.5” - 20”
        - (114.3mm - 508mm)
        - 5.30mm - 13.84mm
        - J55, X42, X46, L80, CSR, F110
  - **Heat exchanger tubes**
    - EN, ASTM, DIN, WR
      - 3.0 - 20”
      - (76.2mm - 508mm)
      - 5.20mm - 50mm
      - Grade B, P235 GH

### Galvanised
- **Temporary exterior protective coating**
  - Varnish, water-diluted lacquer, oil or synthetic enamel
- **Temporary interior protective coating**
  - Cement mortar, bitumen

### Functionalities
- **Romania**
  - **Seamless**
    - Varnish (solvent based non-toxic phenolic lacquer)
We devote significant attention to the mechanical industry as the biggest single market for our products. To meet whatever our customers need, a comprehensive range of tubular products is available: welded or seamless, hollow section, plain, galvanized or color coated, large or small diameter, in different steel grades. Our excellent tube making process guarantees the performance of our steel tubes in engineering applications. This quality makes the tubes ideal for use in architectural designs, mechanical equipment and furniture.

We serve larger end users, as well as specialized stockists and high-quality service centers in Europe, Africa, Central Asia, North and South America, and increasingly in other parts of the world.

**Longitudinal welded**

Longitudinal welded tubes are produced in Poland, Czech Republic, Romania, Kazakhstan, Canada, United States of America and Mexico.

In Europe the outside diameter range varies from 0.8mm to 1422.44mm. The production capabilities include hot stretched reduced tubes and hollow structural sections with optional zinc or color coating. Our tubes, produced and tested in accordance with various euronorms are used in a myriad of applications, including gas and fluid distribution, structural projects such as bridges, architectural frameworks, water distribution, scaffolding, fencing, and greenhouses.

In Asia our mill inTermirtau, Kazakhstan, welds from 21.3mm to 114.0mm according to the GOST standard for construction and water distribution purposes.

In North America several Canadian and US based plants are producing mechanical tubing, such as precision tubes and hollow structural sections. The welded capabilities range from 0.469 inch to 12.5 inch outside diameter.

The direct welded or cold sized precision tubes are produced for furniture, industrial equipment, rack-and-storage systems, recreational equipment and other mechanical applications.

Moreover, there are DOM or cold drawing capabilities available in Canada and the US for industrial and construction equipment, hydraulic cylinders, agricultural equipment, and mineral mining equipment. DOM tubing is manufactured in diameters from 0.75 inch to 12.0 inch.

Hollow structural sections for structural engineering use and fencing are produced against ASTM standards. Their outside diameter ranges from 2.0 inch to 8.0 inch. In Canada, the LaSalle plant specializes in water distribution applications. Its hot and cold formed products are offered with optional zinc coating. The Mexican plant in Monterrey offers cold sized welded precision tubes in a range from 0.5 inch to 6.625 inch for automotive, furniture, fixtures and distribution markets applications.

In addition, we have capabilities in cold sized welded as well as cold drawn welded precision tubes. Here, our tubes are used for furniture, radiators, bicycles, mineral mining, and other mechanical applications.

**Seamless**

Seamless tubes are produced in Czech Republic, Romania, Algeria, South Africa and the United States of America.

In Europe the combined Czech and Romanian plants offer EN and ASTM steel sections for construction and for railway poles, water distribution systems and other structural purposes in an outside diameter range from 73.0mm to 508.0mm.

In Africa, both our mills produce seamless water distribution tubes with an outside diameter ranging from 20.0mm to 318.7mm in line with EN and ASTM standards.

In addition, our South African mill has seamless cold drawing capabilities with an outside diameter range from 20.0mm to 140.0mm. These tubes are used for heat-exchangers, mineral mining, hydraulic cylinders and other applications.

In North America, the US based Shelby plant cold draws seamless precision tubing according to ASTM standards. The tubes are supplied in both hot-finished and cold-drawn form in sizes from 1.750 inch to 7.756 inch OD for the fluid power, construction equipment and farm machinery markets.

**Spiral welded**

In Europe the Czech production unit in Ostrava welds tubes for structural purposes according to EN, ASTM, and GOST standards with an outside diameter from 323.9mm to 820.0mm.
Czech Republic – Karviná
The Karviná operations (formerly known as Jäkl Karviná) have a long tradition, producing longitudinal welded products for the mechanical industry since 1929. In addition Karviná has successfully entered the automotive market supplying high-quality longitudinal welded tubular products. Located in the eastern Czech province of Moravia, it is convenient for distribution in the Czech Republic, Slovakia and Poland, as well as Northern and Western Europe. Our annual capacity is 260,000 tons.

For the mechanical industry, ArcelorMittal Karviná, Tubular Products produces a wide range of tubes and sections, both open and hollow. For the furniture, radiator, mineral mining, bicycle and automotive industries, we make high-quality welded tubular products with precision tolerances (both cold-drawn and cold sized). Our facilities include tube mills, annealing furnaces, coating lines, cold-drawing benches, and machines for cutting and chamfering. For tube-making, we make use of a hot-stretched reduction process, which gives the product homogenous properties. We also make tubular products on calibrating lines within narrow tolerances.

Czech Republic – Ostrava
Established in 1951 and part of Mittal since January 2003, ArcelorMittal Ostrava, Tubular Products (formerly known as part of Nova Hut) has continuously invested in upgrading its facilities to produce a superior range of pipes and tubes. For the mechanical industry, we offer both seamless and spiral welded tubes. The combination of in-house steel-making and Czech reliability when it comes to quality has resulted in an outstanding portfolio of products. Our skilled technical staff is always ready to offer help and advice to make sure a customer’s project is a complete success. ArcelorMittal Ostrava, Tubular Products facilities include Stiefel seamless tube mills, a spiral welded tube mill, heat treatment installations, and facilities for threading, coating and flanging.

ArcelorMittal Ostrava, Tubular Products offers a range of high-quality products for the mechanical markets. From our plant in the eastern Czech province of Moravia, we distribute products throughout Europe, the Middle East and North America. Our annual capacity is 320,000 tons (275,000 tons seamless of which 75,000 tons OCTG, and 45,000 tons spiral welded).

France – Chevillon
The Chevillon plant (former Vallourec Précision Soudage) is located in north-east France in the Marne valley. The tube manufactured ranges from 10.0mm to 55.0mm outside diameter and from 0.6mm to 3.0mm wall thickness. In addition to the standard low carbon steel grades, the factory also produces high-strength low-alloy (HSLA) and Dual Phase steels.

Today, the applications fall predominantly within the automotive market. Welded precision tube is used in the manufacture of seats, instrument panel beams, crash components, filler pipes, engine cradles, reinforcement components and shock absorbers.

The core manufacturing process consists of slitting, welding, NDT testing, and cutting, including brushing, length-measuring and washing. The outside flash is systematically removed to provide a smooth contour. And the inside flash height is systematically adapted to the customer’s specification.

Day to day, the plant’s commitment to meeting or exceeding customer satisfaction relies on a strong global Quality Management System based on ISO 9001 and ISO TS 16949 standards. Our commitment to quality also extends to the factory environment and the requirements for ISO 14001 certification will be met in 2008. Alongside the quality of the products delivered, the optimum quality of service is met by paying special attention to all aspects of logistics: co-ordination with Research and Development teams working on the product, lean manufacturing and a flexible shipping framework which may include consignment stock. Overall, our entrepreneurial organization places the skills, development and responsibility of each employee at the top of the agenda and encourages employees to take part in our Continuous Improvement Teams process.

France – Hautmont
Located in the north of France close to Maubeuge, the ArcelorMittal Hautmont, Tubular Products factory (former Vallourec Précision Soudage) was built at the beginning of the 20th century. Our production of cold sized welded precision tubes benefits from decades of experience on this site. The tube manufactured ranges from 20.0mm to 130.0mm outside diameter and from 0.9mm to 6.0mm wall thickness. In addition to the standard low carbon steel grades, the factory produces high-strength low-alloy (HSLA), Dual Phase and Trip grades. The factory produces the lighter and heavier wall-to-diameter ratios.

Today, the plant is dedicated to meeting the demand for tubes of the automotive industry. Our tubes are used in numerous functions such as suspension systems, body in white, engine environment and driveline systems.

The Hautmont plant consists of slitting, ERW welding, NDT testing, annealing, as well as cutting facilities with chamfering, length-measuring, washing and automatic packaging. All the welding mills benefit from automatic process control which helps to guarantee the customer the highest quality standards. The outside flash is systematically removed to provide a smooth contour. And the inside flash height is systematically adapted to the customer’s specification.

Global resources
Mechanical

Teams process.

take part in our Continuous Improvement
agenda and encourages employees to

entrepreneurial organization places the
skills, development and responsibility
of each employee at the top of the
agenda and encourages employees to
take part in our Continuous Improvement
Teams process.

Global resources
Mechanical
Poland – Kraków
The ArcelorMittal Tubular Products unit in Kraków produces longitudinal welded tubular products for mechanical purposes, such as building, water distribution, and scaffolding. Our location in the southern province of Malopolskie ensures reliable distribution throughout Poland, Czech Republic, Slovakia, Germany, Denmark, and the Baltic states. Our annual capacity is 250,000 tons per year. As we are closely working together with the steel making unit of ArcelorMittal Poland (formerly Huta im. Tadeusza Sendzimira) we have access to the excellent metallurgy of Poland’s leading steel producer. Our facilities include tube mills, machines for cutting, beveling and threading, and coating units. The tube-making lines make use of a hot-stretched reduction process, which provides the product with homogenous properties.

Romania – Iasi
Established in 1963, ArcelorMittal Iasi, Tubular Products (formerly Tepro) is the largest producer of longitudinal welded steel tubes in Romania and the nation’s market leader for mechanical tubes. From our location in Iasi, in the east of the country, we can easily distribute products throughout Romania and most of its neighbours. Our annual capacity is 380,000 tons. ArcelorMittal Iasi’s Tubular Products facilities include hot stretched reduction mills, cold forming tube mills annealing furnaces for normalizing, coating lines, and machines for threading.

Romania – Roman
ArcelorMittal Roman, Tubular Products (formerly Petrotub Roman) is a one-stop shop for the entire range of tubular products required in the energy industry. Located in the northeast of Romania, we produce seamless pipes for oil and gas projects around the world. Our annual capacity is 480,000 tons. With the largest and widest size range on offer, ArcelorMittal Roman, Tubular Products produces high-quality seamless tubes in carbon steel and low-alloy steel for various applications in sectors such as machinery and mechanical industries. The steel required is drawn from steel making resources within the group. Our facilities consist of 6 inch and 16 inch plug mills, as well as a 20 inch Pilger mill with threading and heat treatment equipment.

Asia
Kazakhstan – Temirtau
ArcelorMittal Temirtau, Tubular Products (formerly part of Kazakh Karmet steel works) produces longitudinal welded tubes, mainly for the mechanical industry, but also for use in water and gas distribution. These activities are supported by two conversion units in Almaty and Shimkent, where larger diameter tubes are produced. The total annual capacity is 80,000. ArcelorMittal Temirtau, Tubular Products modernized facilities in north east Kazakhstan consist of tube mills, as well as machinery for cutting and beveling. Reliability of supplies is guaranteed, as our tube mills benefit from steel strip supplied by our own on-site steel plant. The tubes are produced in accordance with the standards prevailing in the region. Our pipes and tubes are also exported to many of the member countries of the Commonwealth of Independent States.

Africa
South Africa – Vereeniging
ArcelorMittal Vereeniging, Tubular Products offers seamless cold drawn tubes for the engineering and automotive markets. Located close to Johannesburg, we distribute throughout South Africa and, through two seaports, to Europe, North America, the Middle East, and Asia. The pipe and tube plant has an annual capacity of 100,000 tons. ArcelorMittal Vereeniging, Tubular Products (formerly part of Iscor) has a long history of steel production. We are the only South African producer of seamless cold drawn tubes and by using modern techniques we are able to supply products of excellent quality. The tube mill is a fully integrated plant, using steel produced at ArcelorMittal’s local site at Vereeniging. For applications in the mineral mining, boiler tubes, hydraulic cylinders, heat exchanger and automotive industries, ArcelorMittal Vereeniging, Tubular Products also offers a range of cold-drawn seamless precision tubes. Our stringent quality control of the steel produced allied to our state-of-the-art equipment in the tube mill ensures an excellent quality product. Our staff is fully committed to serving our customers’ needs, either for projects or for regular supplies. Our facilities include a pipe mill, cold drawing benches, and finishing and coating equipment.
North America

Canada – Brampton
ArcelorMittal Brampton, Tubular Products (formerly part of the Dofasco Tubular Products group) manufactures small diameter welded mechanical products that range from 12.0mm (0.472 inch) to 76.2mm (3.0 inch). We supply high quality products from 3 tube mills with a variety of cutting and end finish capabilities used in many applications in the automotive, furniture, fixtures, distribution markets and elsewhere. Brampton Ontario is part of the greater Toronto area and is served by several major transportation routes, including the 401 highway, giving access to both Canadian and American markets. We are a supplier of round, square, rectangular, and elliptical welded tubes. We can also produce other special shapes. At Brampton, we manufacture tubing using a variety of materials and finishes including low carbon and higher strength grades that we can supply with different coatings such as galvanized, galvanneal, or zinc-nickel. Our annual capacity is 64,000 tons.

Canada – LaSalle
ArcelorMittal LaSalle, Tubular Products (formerly part of Sidbec) has long experience in making longitudinal welded tubes for the construction, engineering and automotive industries. Thanks to our convenient location in Quebec province, our products can be delivered quickly and reliably across North America. Our annual capacity is 147,000 tons. Most of the tubes made by ArcelorMittal LaSalle, Tubular Products are used in the plumbing and heating industry, and for end products such as water wells and fire-prevention systems. Our galvanized tubes are primarily used for fence posts. Facilities include welding lines and coating lines, as well as machines for beveling and threading. Besides making quality tubular products, ArcelorMittal LaSalle, Tubular Products focuses on creating quality in its relationships with customers.

Canada – Woodstock
The Woodstock facility manufactures welded tubes and services the mechanical industry. Strategically located in Woodstock, Ontario, our proximity to major North American customers helps us achieve excellent service delivery. What began as a small business over one hundred years ago continues to value teamwork, commitment, and pride. Today, we are putting those values to work, developing innovative products and technology to meet new demands in progressive industries. Our annual capacity is 118,000 tons.

Mexico – Monterrey
ArcelorMittal Monterrey, Tubular Products (formerly Dofasco de Mexico) is a world class manufacturing facility meeting the needs of various automotive and non-automotive mechanical tube end-users. The strategic location of the modern industrial city of Monterrey helps us to provide quality service and just-in-time delivery to our mechanical industry customers in Mexico and the Southern United States. Our tubular products are capable of meeting demanding applications including rounds and specialized shapes within a cold-sizing process and meeting tightest quality, non-destructive testing requirements. Our facilities include two tube mills, a longitudinal slitting line, cutting cells, a humidity controlled warehouse and a mechanical testing lab. Our annual capacity is 154,000 tons. In addition to its tube business, Monterrey provides steel slitting services and steel distribution services.

USA – Marion
The Marion plant of ArcelorMittal, Tubular Products (formerly Dofasco Copperweld) manufactures as-welded mechanical tubing in a variety of steel grades to serve the boiler tube, conveyor roll, automotive markets and service centers. The as-welded tubing is offered hot-rolled, picked-and-oiled and cold-rolled. It can be normalized for improved formability. Our annual capacity is 65,000 tons. Our as-welded mechanical product is produced from carbon steel manufactured to ASTM specification A513, as well as ASTM/ASME, A/SA 178 and A/SA 214. Carbon steel is cost-effective and provides low to moderate strength and moderate to excellent formability. It also offers generally excellent fabricating qualities such as welding or bending. Also available are high-strength low-alloy (HSLA) grades, which offer a distinct advantage in strength/weight ratio that can result in reduced section weight and possible lower overall unit costs. Strength levels from 40.0 through 90.0 psi minimum yield strength are available. Marion as-welded mechanical tubing has excellent surface quality. All tube is continuously stenciled and has a water-soluble synthetic rust preventative applied. This facility also has some of the most extensive tube cutting capabilities in the industry. Marion’s full size range can be cut to length in one of our six cutting centers. Tolerances as close as +/-0.03 inch are available. Chamfering and wire brush de-burring of OD and ID surfaces are available. Our facility is certified as meeting ISO 9001:2000 quality standards, as well as the auto industry’s demanding TS 16949 certification. ArcelorMittal Marion’s tubular products are found in a variety of end uses, including boiler tubes, conveyor rolls, agricultural, industrial and construction equipment. USA – Shelby
ArcelorMittal’s Shelby, Tubular Products plant (formerly Dofasco Copperweld) manufactures welded and seamless precision tubes in a variety of steel grades for the fluid power, automotive, construction equipment, farm machinery, oil and gas drilling and service center markets. We are one of the most diversified manufacturers of tubing products in North America with deliveries throughout the world. Our annual capacity is 218,000 tons. Our Drawn-Over-Mandrel (DOM) or cold drawn welded tubing is available in one of the most extensive size ranges in the world. A specialized product, TufDOM tubing, is designed for the most demanding applications, in particular those involving fluid power in test after test. TufDOM has proven itself particularly suited to high load-bearing applications and to jobs where an exceptional ability to withstand the severe stress of cold temperatures is important. Our years of experience in the manufacture of DOM tubing has allowed us to reduce the guaranteed machining, honing and center less grinding allowances for this product as much as 50% from normal industry standards, and to guarantee OD and ID tolerances that are tighter than commercial standards. Shelby furnishes seamless tubing both in cold-drawn and hot-finished conditions. The product is available in a wide spectrum of carbon and alloy grades manufactured to ASTM, AMS, MIL, SAE, AISI and EN specifications. We offer quench and temper heat treatment for specialized mechanical tubing products. Our facility is certified as meeting ISO 9001:2000 quality standards. To further assure a quality product our standard non-destructive electronic testing procedures are in complete compliance with the guidelines set by ASTM and a large number of EN specifications. ArcelorMittal Shelby’s tubular products are employed in a variety of uses, including applications for trains and aircraft, bushings, spacers, bearings, hydraulic cylinders, oil and gas tooling, drilling and agricultural, recreational, industrial and construction equipment.
### Mechanical Fact Sheet

#### Czech Republic

**Ostrava**

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard</th>
<th>Outside diameter</th>
<th>Size</th>
<th>Grades/Quality</th>
<th>Special coatings and protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seamless tubes for construction</td>
<td>EN, ASTM, DIN, CEN, NF, JIS</td>
<td>(21.3mm - 219mm)</td>
<td>1.5 - 3.0</td>
<td>S235JR, S275</td>
<td>1. Temporary exterior protection coating varied, when not declared group 0 or group 1.</td>
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#### China

**Changzhou**

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<th>Grades/Quality</th>
<th>Special coatings and protection</th>
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<tbody>
<tr>
<td>Seamless tubes for construction</td>
<td>EN, ASTM, DIN</td>
<td>52.35 - 321.15 (223mm - 920mm)</td>
<td>up to 8.7T</td>
<td>S235JR, S275</td>
<td>1. Temporary exterior protection coating varied, when not declared group 0 or group 1.</td>
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#### France

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<tbody>
<tr>
<td>Welded cold drawn tubes</td>
<td>EN 10217-1, EN 10217-2</td>
<td>(17.2mm - 168.3mm)</td>
<td>2.3mm - 8.0mm</td>
<td>S235JRH, S275JRH</td>
<td>2. Temporary corrosion protection cold blued anti-seizing cold blued anti-seizing</td>
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#### India

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<tr>
<td>Tubes for pipeline</td>
<td>EN 10217-1, EN 10217-2</td>
<td>(17.2mm - 168.3mm)</td>
<td>2.3mm - 8.0mm</td>
<td>S235JRH, S275JRH</td>
<td>2. Temporary corrosion protection cold blued anti-seizing cold blued anti-seizing</td>
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#### South Africa

**Vereeniging**

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<th>Special coatings and protection</th>
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<tr>
<td>Cold drawn seamless tubes</td>
<td>ASTM A 10</td>
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<td>1. Temporary exterior protection coating varied, when not declared group 0 or group 1.</td>
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#### USA

**Monterrey**

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<th>Size</th>
<th>Grades/Quality</th>
<th>Special coatings and protection</th>
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</thead>
<tbody>
<tr>
<td>Welded cold drawn tubes</td>
<td>ASTM A 519</td>
<td>1.00 - 1.25</td>
<td>0.75 - 0.85</td>
<td>1010, 1012, 1018, 1518</td>
<td>1. Temporary exterior protection coating varied, when not declared group 0 or group 1.</td>
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#### Romania

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<th>Grades/Quality</th>
<th>Special coatings and protection</th>
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<tbody>
<tr>
<td>Seamless tubes for construction</td>
<td>EN</td>
<td>31.8 mm - 321.15 mm</td>
<td>1.00 - 3.00</td>
<td>S235JR, S275JR</td>
<td>1. Temporary exterior protection coating varied, when not declared group 0 or group 1.</td>
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#### Canada

**Shelby**

<table>
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</tbody>
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*Note: Details for Switzerland, Turkey, United States, and United Kingdom are not included in the provided text.*
ArcelorMittal Tubular Products is a leading manufacturer and marketer of welded and cold drawn mechanical steel tubing and tubular shapes, fabricated parts and precision components. For our customers, we are not only a tube manufacturer, but also a development partner and supplier offering excellence in delivery logistics. Apart from standardized products made of welded and seamless steel tubes, above all we offer solutions matching the specific needs of our customers, supplemented by an extensive range of services.

Steel tubing has been proven to contribute to lower costs, advanced safety, and reduction of overall mass in automotive production assemblies. Firstly, the use of tubes helps in reducing the number of welds and thereby saves time and money costs on key manufacturing processes. Secondly, tubes can help improve the strength of the structure, contributing to safety performance. And thirdly the relative weight of tubes in combination with the optimal number of joints reduces vehicle weight, which will contribute to lower CO₂ emissions.

To optimize our product, we make full use of all technical and economic resources right through the entire process chain. The combined knowledge of the ArcelorMittal people ranges from steel making to the design and manufacturing of the final tubular product for the vehicle application. With a number of Tubular Products units specializing in the supply of tubes and the manufacturing of components and sub-assemblies for the automotive industry, ArcelorMittal, Tubular Products is a just-in-time supplier to leading car makers and parts suppliers. Backed by extensive design resources and specific testing installations, these group companies can design novel solutions based on functional plans.

Wide ranges of longitudinally welded and seamless tubes are available to the automotive industry. The tubes can be given precise dimensions in a cold drawing or cold sizing process. In the cold drawn range both welded and seamless tubes are available. The surface is suitable for chromium plating, galvanizing, and color coating. These tubular products are available as round tubes or as profiles (e.g. square, rectangular, oval or hexagonal).

We are committed to our philosophy of operational excellence. This means meeting customer specifications and supplying our products on time. Day to day, the plant’s commitment to meeting or exceeding customer satisfaction relies on a strong global Quality Management System based on ISO 9001 and ISO TS 16949 standards. Our commitment to quality also extends to the factory environment and the requirements for ISO 14001 certification. Alongside the quality of the products delivered, the optimum quality of service is met by paying special attention to all aspects of logistics: co-ordination with research and development teams working on the product, lean manufacturing and a flexible shipping framework which may include consignment stock.

Overall, our entrepreneurial organization places the skills, development and responsibility of each employee at the top of the agenda and encourages employees to take part in our Continuous Improvement Teams process.

Our automotive units, which offer fully integrated steel tube fabrication, are experienced in the production of high strength low alloy steels, including alternative mass saving materials. We focus on producing steel tubes adding value to structural components and assembly modules. End uses include suspension structures, engine cradles, instrument panel beams, body-in-white, axle housings, exhaust, car seat, fuel tank filler and other applications.

We supply our customers with innovative products, modules and systems and are partners in the product development process. In this partnership they profit from our flexibility and our quick decision making. The integration of new functions into products which provide genuine added value for our customers dominates our efforts. Co-operative partnerships are for us a matter of course.
Europe

Czech Republic – Karviná

The Karviná operations (formerly known as Jiská Karviná) have a long tradition, producing longitudinal welded products for the mechanical industry since 1929. In addition Karviná has successfully entered the automotive market producing high-quality longitudinal welded cold-drawn and cold-sized tubular products. Located in the eastern Czech province of Moravia, it is convenient for distribution in the Czech Republic, Slovakia, Poland and Hungary, as well as Northern and Western Europe. Our annual combined capacity is equal to 51,000 tons.

Our facilities include tube mills, annealing furnaces, cold-drawing benches, and machines for cutting and chamfering. For tube-making, we make use of a hot-drawn seamless tubes, and our people have the skills, development and responsibility of each employee at the top of the agenda and encourages employees to take part in our Continuous Improvement Teams process.

France – Hautmont

Located in the North of France close to Maubeuge, the ArcelorMittal Hautmont, Tubular Products factory (former Vallourec Précision Soudage) was built at the beginning of the 20th century. Our production of cold sized welded precision tubes benefits from decades of experience on this site. The tube manufactured ranges from 20.0mm to 130.0mm outside diameter and from 0.9mm to 6.0mm wall thickness. In addition to the standard low carbon steel grades, the factory produces high-strength low-alloy (HSLA), Dual Phase and Trip grades. The factory produces the lighter and heavier wall-to-diameter ratios.

Today, the plant is dedicated to meeting the demand for tubes from the automotive industry. Our tubes are used in numerous functions such as suspension systems, body in white, engine environment and driveline systems.

The Hautmont plant consists of sitting, ERW welding, ND T testing, annealing, as well as cutting facilities with chamfering, length-measuring, washing and automatic packaging. All the welding mills benefit from automatic process control ensuring that the customer enjoys the highest quality standards. The outside flash is systematically removed to provide a smooth contour. The inside flash height is adapted to meet the customer’s specification.

Day to day, the plant's commitment to meeting or exceeding customer satisfaction relies on a strong global Quality Management System based on ISO 9001 and TS 16949 standards. Our capability to qualify also extends to the factory environment and the requirements for ISO 14001 certification to be met in 2008. Likewise the quality of the products delivered, the optimal quality of service is met by paying special attention to all aspects of logistics: co-ordination with Research and Development teams working on product, lean manufacturing and a flexible shipping framework which may include consignment stock. Overall, our entrepreneurial organization places the skills, development and responsibility of each employee at the top of the agenda and encourages employees to take part in our Continuous Improvement Teams process.

France – Vitry le François

The Vitry le François factory (formerly known as Vallourec Composants Automobiles Vitry) is a major supplier of automotive tubular chassis and crash management parts and components. The core business is to design, develop and produce components which meet the quality standards required by the automotive industry. Thanks to the combination of expertise in steel, tubes, cold forming, and product and process simulation based on the behaviour of real tubular materials, Vitry has been successful in designing innovative and cost efficient tubular products in close co-operation with its customers.

Africa

South Africa – Vereeniging

ArcelorMittal Vereeniging, Tubular Products offers seamless cold drawn tubes to the automotive industry. Located close to Johannesburg, we distribute throughout South Africa and through two seaports, to Europe, North America, the Middle East, and Asia. The cold drawing mill has an annual capacity of 9,000 tons.

ArcelorMittal Vereeniging, Tubular Products (formerly part of Iscor) has a long history of steel production. We are the only South African producer of cold drawn seamless tubes, and our people are committed to supply products of excellent quality. The hollows come from the tube mill with which the cold drawing operations are fully integrated. Our facilities include cold drawing benches, pickling shop, annealing furnace, and finishing and coating equipment.

North America

Canada – Hamilton

ArcelorMittal Hamilton, Tubular Products in Ontario (formerly Dofasco Tubular Products) manufactures precision welded tubular products that satisfy the most demanding applications in the automotive industry. We are a North American leader in the supply of tubing for complex hydroformed and other high-value added automotive applications. From this location, the Ontario as well as the North East and Mid West US markets are well served. The tubing capacity at this facility is 185,000 tons per annum.

Our facilities include tube mills, cutting saws and a small portion of our business is the fabrication of automotive components for frame and engine cradle applications. Process and product support includes inline cut, wash and deburr, non-destructive and destructive testing. The result is highly automated production of tubing with a high level of dimensional control and optimal formability.

Canada – London

The London plant, which was formerly part of the Dofasco Automotive Components group produces structural cross members and axle housing assembly systems for passenger vehicles and light trucks. The highly efficient fully automated welded process uses a collection of sub assembly fixtures coordinated with the downstream machining operations. A key strength established at this location is the ability to assemble complex automotive components and assemblies.

The plant has integrated transfer lines that include operations such as cutting, forming, welding, assembly, marking, error proofing and washing.

Based in Southern Ontario, Canada, the location is ideal for truck access to the nearby highway which enables our London facility to offer 100% on-time delivery. This facility demonstrates a high level of operational excellence and self directed work teams help create a lean operation.

Global resources Automotive
North America

Canada – Woodstock

The Woodstock facility (formerly Dofasco Automotive Components and Standard Tube) combines tube making and processing, serving the automotive and mechanical industries. Woodstock is a steel tube fabricator specializing in high strength, low alloy steels for automotive structural components. Thanks to our in-house knowledge we offer unique capabilities in the engineering design and production of axles, drive shafts, prop shafts, suspension structures, engine cradles, cross members, energy management components, side impact protection structures, instrument panels and trailer hitches.

Our facilities include 5 tube mills and multiple cutting systems. Our annual capacity is approximately 118,000 tons. Within our component production operations are processes dedicated to tube bending and forming, laser and plasma cutting, piercing, welding and complex component assembly and fabrication. Strategically located in Woodstock, Ontario, our proximity to the major North American automotive manufacturing centers means we can supply our customers quickly and efficiently.

What began as a small business over one hundred years ago continues to value teamwork, commitment, and pride. Today, we are putting those values to work, developing innovative products and technology to meet new demands in progressive industries. Our innovative engineering is replacing traditional stamped or boxed construction steel and aluminum structures with tubular steel modules that optimize mass, crash performance and cost efficiency.

Mexico – Monterrey

ArcelorMittal Monterrey, Tubular Products (formerly Dofasco de Mexico) is a world class manufacturing facility focused on supporting the automotive industry needs. The Monterrey location is well situated to service and supply just-in-time delivery to automotive customers in Mexico and the Southern United States. Our tubular products are used in demanding applications such as: hydroform tubes, drive shafts, rectangular, rounds and specialized shapes within a cold sizing welding process meeting the tightest quality non destructive testing requirements. Our facilities include two tube mills, a longitudinal slitting line, cutting cells, a humidity controlled warehouse and a mechanical testing lab. In addition to its tube business, Monterrey provides steel slitting services and steel distribution services. Annual capacity is 154,000 tons.

USA – Marion

The Marion plant of ArcelorMittal, Tubular Products (formerly Dofasco Copperweld) manufactures cold sized or as-welded tubing in a variety of steel grades to serve the automotive market’s requirements. Our annual capacity is 65,000 tons.

Marion’s as-welded mechanical tubing has excellent surface quality. This facility also has some of the most extensive tube cutting capabilities in the industry. Marion’s full size range can be cut to length in one of our six cutting centers. Tolerances as close as +/-0.03 inch are available. Chamfering and wire brush de-burring of OD and ID surfaces are available.

Marion tube mills are equipped with state-of-the-art, cost-effective cut-offs that produce a chamfered tube cut-to-length to a tolerance of +/-0.25 inch, for lengths between 15 inch to 30 inch.

USA – Plymouth

The Woodstock Technical Office

Project management and product engineering for specific automotive programs are based at our technical office in Plymouth Michigan. The location close to our customers improves collaboration, which is the heart of our development process.

We combine our expertise in tubular steel with our customers’ expertise in their market to produce components that will ultimately satisfy end users. Customer involvement throughout the entire development cycle ensures that we are addressing their specific needs and helping them understand our approach – the keys to a productive and progressive partnership. This group excels at: Program management, according to AQP procedures, customer interface, CAD modeling, finite element analysis, GD&T strategy, DFMEA, ADVP&R, testing specs, and test coordination, product validation support, including co-ordination of prototype development with the Woodstock plant.

USA – Shelby

ArcelorMittal Shelby, Tubular Products (formerly Dofasco Copperweld) manufactures welded and seamless precision tubes in a variety of steel grades for automotive customers. Our annual capacity is 218,000 tons.

Our Drawn-Over-Mandrel (DOM) tubing or cold drawn tubing is available in one of the most extensive size ranges in the world. A specialized product, TuffDOM tubing, is designed for the most demanding applications. Our years of experience in the manufacture of DOM tubing has allowed us to reduce the guaranteed machining, honing and center less grinding allowances for this product as much as 50% from normal industry standards, and to guarantee OD and ID tolerances that are tighter than commercial standards.

Shelby furnishes seamless tubing both in cold-drawn and hot-finished conditions. The product is available in a wide spectrum of carbon and alloy grades manufactured to ASTM, AMS, MIL, SAE, AISI and EN specifications. We offer quench and temper heat treatment for specialized mechanical tubing products.
## Automotive Fact Sheet

<table>
<thead>
<tr>
<th>Country</th>
<th>City</th>
<th>Type</th>
<th>Standard</th>
<th>Outside diameter</th>
<th>Wall thickness</th>
<th>Grades/Quality</th>
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<tbody>
<tr>
<td>Czech Republic</td>
<td>Karviná</td>
<td>Welded cold sized tubes</td>
<td>EN 10305-2, EN 10305-5, ASTM 513, J5</td>
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<td>Chevillon</td>
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<td>Vitry le François</td>
<td>Cold formed/tubular components for chassis and crash applications</td>
<td>According to customer specification</td>
<td>Current production tabular components from 20.0mm to 130.0mm</td>
<td>Current production tabular components from 1.2mm to 7mm</td>
<td>From low carbon to high yield strength</td>
<td>Cataphoresis, galvanizing</td>
</tr>
<tr>
<td>Mexico</td>
<td>Monterrey</td>
<td>Welded cold sized tubes</td>
<td>ASTM 513</td>
<td>0.5&quot; - 6.625&quot;</td>
<td>0.03&quot; - 0.189&quot;</td>
<td>Carbon base grades 1006-1050, HSLA, AHSS</td>
<td>Galvanized, galvanneal, galvalume</td>
</tr>
<tr>
<td>USA</td>
<td>Marion</td>
<td>Welded cold sized tubes</td>
<td>ASTM A513, SA178/214</td>
<td>1.0&quot; - 6.0&quot;</td>
<td>0.065&quot; - 0.313&quot;</td>
<td>Carbon base grades 1008 - 1050</td>
<td>Alloy grades 413/416/D95/D020, Others available by inquiry</td>
</tr>
<tr>
<td>USA</td>
<td>Shelby</td>
<td>Welded cold sized tubes</td>
<td>ASTM A513</td>
<td>1.25&quot; - 12.5&quot;</td>
<td>0.065&quot; - 0.695&quot;</td>
<td>Carbon base grades 1008 - 1050</td>
<td>Alloy grades 413/416/D95/D020, Others available by inquiry</td>
</tr>
<tr>
<td>South Africa</td>
<td>Vereeniging</td>
<td>Cold drawn seamless tubes</td>
<td>ASTM A519</td>
<td>Current production tabular components from 20.0mm to 130.0mm</td>
<td>Current production tabular components from 1.2mm to 7mm</td>
<td>From low carbon to high yield strength</td>
<td>Calophoresis, galvanizing</td>
</tr>
<tr>
<td>Canada</td>
<td>Brampton</td>
<td>Welded cold sized tubes</td>
<td>ASTM A513</td>
<td>0.472&quot; - 3.0&quot;</td>
<td>0.022&quot; - 0.120&quot;</td>
<td>Carbon base grades 1008 - 1050, HSLA, AHSS</td>
<td>Others available by inquiry</td>
</tr>
<tr>
<td>Canada</td>
<td>Hamilton</td>
<td>Welded cold sized tubes</td>
<td>ASTM A513</td>
<td>2.0&quot; - 6.5&quot;</td>
<td>0.039&quot; - 0.250&quot;</td>
<td>Carbon base grades 1008 - 1050</td>
<td>Others available by inquiry</td>
</tr>
<tr>
<td>Canada</td>
<td>London</td>
<td>Cold formed/tubular components (axle assemblies and structural crossmembers)</td>
<td>According to customer specification</td>
<td>According to customer specification</td>
<td>According to customer specification</td>
<td>From low carbon to high yield strength</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>Woodstock</td>
<td>Welded cold sized tubes</td>
<td>ASTM A513</td>
<td>0.75&quot; - 7.5&quot;</td>
<td>0.032&quot; - 0.400&quot;</td>
<td>Customer specific</td>
<td></td>
</tr>
<tr>
<td>Cold drawn welded tubes</td>
<td>ASTM A513</td>
<td>0.504&quot; - 5.56&quot;</td>
<td>0.069&quot; - 0.26&quot;</td>
<td>Customer specific</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Fact sheet**

- **Types**
  - Welded cold sized tubes
  - Cold drawn welded tubes
  - Cold drawn seamless tubes
  - Hot finish seamless tubes
  - Cold formed/tubular components for chassis and crash applications
  - Cold formed/tubular components (axle assemblies and structural crossmembers)

- **Standards**
  - EN 10305-2, EN 10305-5, ASTM 513, J5
  - ASTM A513, SA178/214
  - ASTM A519
  - DIN 2391, DIN 1629, DIN 6323
  - 413/416/D95/D020, Others available by inquiry

- **Sizes**
  - Welded cold sized tubes: 10.0mm - 70.0mm
  - Cold drawn welded tubes: 0.8mm - 3.0mm
  - Cold drawn seamless tubes: 0.504" - 5.56"
  - Hot finish seamless tubes: 2.188" - 6.75"

- **Grades/Quality**
  - Carbon base grades 1006-1050, HSLA, AHSS
  - 413/416/D95/D020
  - Others available by inquiry

- **Special Coatings**
  - Cataphoresis, galvanizing, galvanneal, galvalume
  - Others available by inquiry
"Entrepreneurship is a state of mind"

Lakshmi N. Mittal
President and Chief Executive Officer