



## Production

### Production Capacity

With approximately 10.000 square meters area of closed production halls, HAZ Metal is equipped with more than 100 work stations and has a monthly production capacity of approximately 500 tons.

Throughout the years, production techniques and methods have been improved to achieve better quality and more efficient productivity. HAZ Metal today implements modern technology in the production of fixing systems in order to meet the requirements of the industry.

The factory is equipped with a coil slitting machine, channel roll formers, press breaks, eccentric presses, automated end part formers, thread rolling machines, cold forging bolt makers, welding robots and various automated production units. Hot dip galvanizing with over 50 micro thick zinc coating and electro galvanizing with 12 micron thick zinc coating on mild steel is made is by pre-qualified sources outside the factory.

Emphasis has also been given to automation in which efficient and high precision production with lower costs are achieved. HAZ Metal is able to design and build machine parts, dies and tooling in house for achieving fast and flexible production of custom designed products.

A work shop is present at the factory which has the capability of preparing and maintaining the required moulding and tooling used in production. This provides advantages in being more flexible, efficient and economic in operations and manufacturing processes.

Production line setting, maintenance, alteration and adjustment of tooling are made without interrupting the production processes that leads to time saving and lower costs. With this resource, HAZ Metal can supply fixing systems elements to projects of any size with great value and reliability.

### Technical Know-How

HAZ Metal's technical staff, each with more than 10 years of experience, has an outstanding technical knowledge in the field of stainless steel and steel fixing systems production.

Cutting, drilling, bending, chamfering, tabbing rolling, threading and especially, the welding of stainless steel and steel products, is carried out in the highest professional manner.

The work stations, such as eccentric presses, threading machines, Hydro-mat, bolt makers and channel rolling machines are the highest standard machinery available in the market.

Production processes are checked and evaluated constantly to engage in new methods and techniques in order to increase the quality level of HAZ products.

Technical excellence is maintained and increased through constantly following and keeping up with material and production standards.

HAZ Metal implements DIN, BS, EN and ASTM standards in their manufacturing processes. All manufacturing steps are adhered to the specifications in the standards in order to achieve the best quality production.







• Slitting line



• Automated robotic welding line



• Laser cutting machine



• Automated pressing line



• Hydro-mat - 16 station automatic head transfer



• Automated steel channel processing line



• Channel rolling machine



• Welding robot



• Automatic end part former

## Quality Assurance

HAZ Metal readily embraces the responsibility of the business that they are in. The company has established a well planned quality control management system and has been awarded the ISO 9001:2008 quality management certificate from TUV SUD.

This system is a part of HAZ Metal's operations and there are no exceptions or compromises to the level of quality of its services and production. The QAC department is staffed with knowledgeable engineers who are trained in the field and form the backbone of this operation.

The factory is equipped with testing machines which are used to conduct chemical and physical tests on all items that enter and exit the warehouse. The production is strictly controlled with periodic in house testing of both raw materials and finished products. In order to maintain the performance of HAZ products and to fulfil the safety requirements for use in the construction industry, QAC plays a vital role in the company.



• Testing laboratory



• Standing tensile rig



• Mobile tensile rig



• Spectre metre for chemical analysis



• Electronic gauge for galvanize coating thickness check



• Digital micrometer for material thickness check