

## ATS Mechatronics will sustain Pak Steel 450kty bar mill greenfield with its modern TMB400 tying machine

ATS Mechatronics, a proven producer of machines for long product hot rolling mills and a part of AIC (Automazioni Industriali Capitanio) Group, will supply the automatic bundles tying machine for the new bar mill planned to be installed by Pak Steel in the Hattar Special Economic Zone (HSEZ) - Khyber Pakhtunkhwa province.

The greenfield steel complex will be designed by the noted company POMINI Long Rolling Mills and ATS will provide the AICs mechatronics equipment. Thus, TMB 400 tying machine will be embedded in order to guarantee the shortest tying cycle available on the market and to tie optimally bar bundles.

Part of the commissioning will even consist of:

- Control cabinet;
- PLC for supervising the equipment;
- Level 1 software functions for smooth operating and minimize downtimes;
- Command desk for handling tying machine;
- Local pushbutton for safe mode maintenance operations with a hold-to-run control.

This flexible configuration will be designed to fit smoothly under any operating conditions and to guarantee high customization scope.

The preliminary tasks have been set up for the last side of 2022. Primarily, all the equipment will be tested in our workshop prior to shipment to the site, reducing start-up time and costs.



**Figure 1 & 2 – TMB400 and control cabinet designed by ATS.**

### AIC Automazioni Industriali Capitanio sites:

- Italy (Headquarters, Engineering & Workshops)
- United States of America (Sales & Service)
- India (Sales, Engineering & Service)
- Brazil (Sales, Engineering & Service)

ATS Mechatronics is specialized in design, manufacturing and commissioning of equipment for metal industry plants. The headquarters is in the North East of Italy in Trasaghis (UD). Particularly, tying machines for bundles and packages have reached a very high level of customer satisfaction and become one of the leading products in the market.

Since 2019 it is part of the AIC group, a renowned global system integrator providing advanced and tailored automation and robotic solutions for the steel industry, with the aim to continuously improve both efficiency, competitiveness and safety of the production processes.

Pak Steel is a Pakistan-based company manufacturer of reinforcement steel bars and structural steel, that produces long-rolled steel and heavy metal products in the country. Pak Steel has a complete end-to-end solution for steel making from the import of raw material from different countries, processing it and manufacturing the end product. Currently, Pak Steel is one of the main suppliers of steel to all the major projects across Pakistan including infrastructure, power, dams, towers, airports, roads, etc.

**For more information:**



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