

Italian manufacturer OCSAM will integrate 3+1 ATS TMB400 tying machines for a leading rebar American producer in Tennessee.

ATS Mechatronics, AIC Group equipment manufacturer, will furnish Italian OEM OCSAM with **3+1 special design TMB400 automated machines** to tie 400x400mm max size round bundles in a Tennessee rebar mill.

The special-made machines will be positioned downstream bundle formation area and will be inclusive of auxiliary mechanical equipment, individual hydraulic devices, UL listed electrical and automation systems with Rockwell PLC & control cabinet.

The tailored design will ensure adaptability through high customization, minimizing piping works for the dedicated hydraulic central unit and easily fit to the rolling table height.

Reliable steel wire formation even at maximum speed is guaranteed by a 6.8-second complete single tie cycle. In addition, a wire loop recovery system designed on an arm structure will be positioned behind the tying machine, between the machine body and the wire unwinding system; it will permit recovery of the loop of exceeding wire that forms during the wire retrieving phase, eliminating repetitive motions.

ATS supervisors will be on-site for equipment erection and start-up to fit smoothly under any operating conditions.

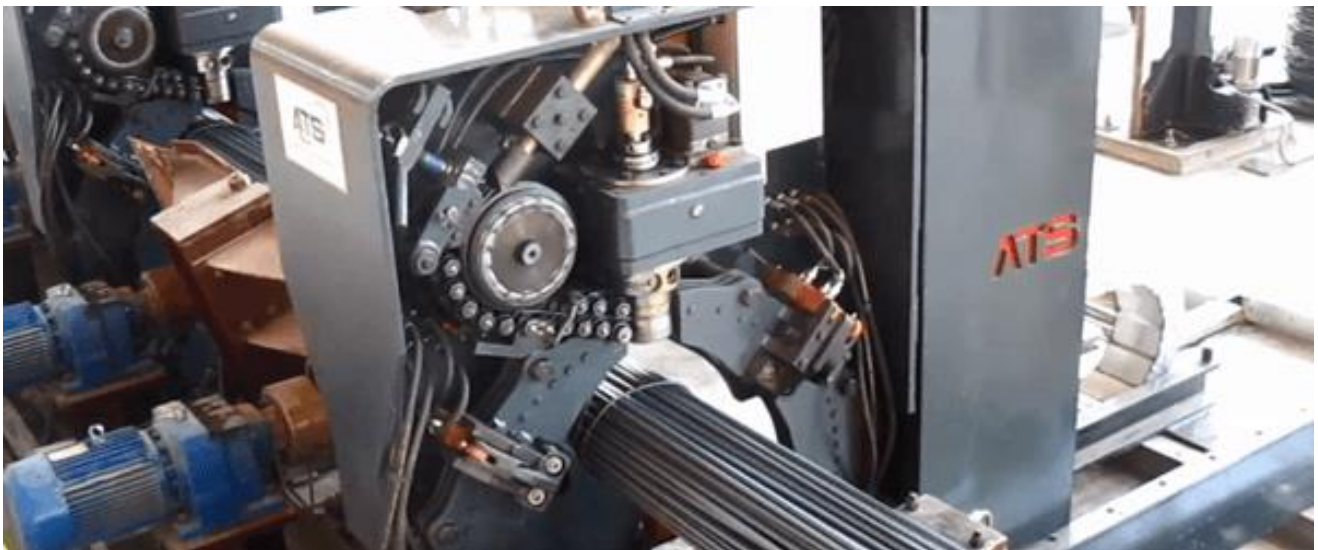


Figure 1 – TMB400 tying process.

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 mechatronics solutions for the steel industry, with the aim to continuously improve both efficiency, competitiveness and safety of the production processes.

Founded in 1980, OCSAM designs and manufactures turnkey systems, performs precision mechanical machining, builds medium-heavy carpentry, overhauls machinery, and performs cryogenic keying with liquid nitrogen in many industrial sectors, including steel.

OCSAM can provide an integrated solution and an efficient large machine park that can be used for third party machining of mechanical parts, with lifting capacities up to 75 tons.

For more information:



Mattia Campanini
AIC Group Global Marketing Coordinator
Email: mattia.campanini@aicnet.it
Tel: +39 0365 82633