

September 2016

WIRE NEWS

INSIDE

EFD Induction and Plastix reach milestone with innovative maritime waste recycling project

Schleuniger, Inc. to Exhibit Wire Processing Solutions at The Assembly Show



The 7th All China International Wire & Cable Industry Trade Fair

26-29.09.2016



Shanghai New International Expo Center (SNIEC)

EJP: Wire China and Wire India 2016

Double laser scanning boosts peeling process accuracy

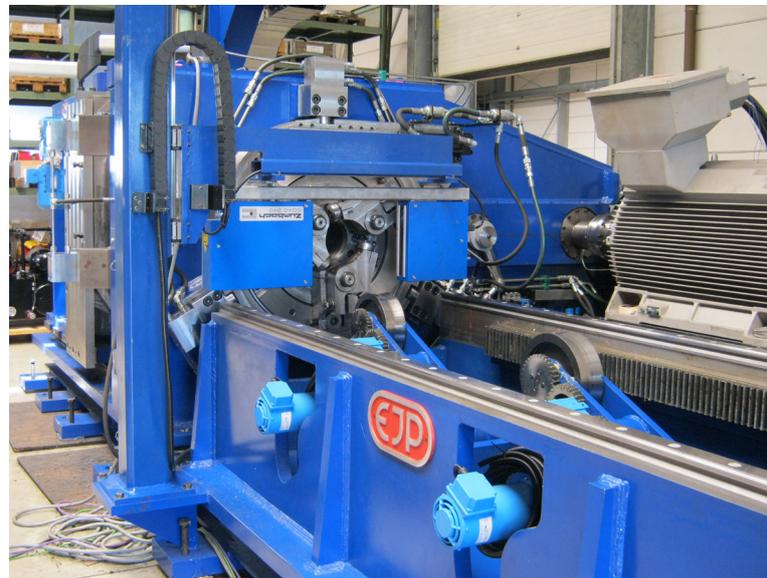
EJP is to show its further developed Type PSP peeling lines for solid metal bar at both the Wire China and the Wire India 2016 fairs. The newly developed control system now installed adjusts the peeling head on the basis of the dimensions of the finished, straightened and polished rod. This makes it possible to control the process to ensure that the specified finished-product dimensions are met with extreme precision.

The new feature is measurement of the net dimensions of the finished rods and feedback of the results to the peeling process. Until now, the diameter of the peeled rods was measured only in the peeling machine. The measured data was used to adjust the peeling cutters to compensate for wear. The final dimensions had to be measured manually after straightening and polishing, since the straightening-process rolls could still then change the diameter. The resultant data could then only be entered time-consumingly and only on the basis of a subjective estimation by the operator.

EJP now equips these peeling lines with a second laser diameter measuring system downstream the two-roll straightening and polishing machine. This accurately measures the diameter of the finished product and relays it directly back to the peeling process. The control system registers the change in diameter in the straightening process and adjusts the cutters correspondingly. The result: rod products that conform precisely to the customer's specifications.

Another new feature is the fact that EJP now measures the diameter of the rods in two laser axes, instead of only one. The operator thus also receives information on rod out-of-roundness.

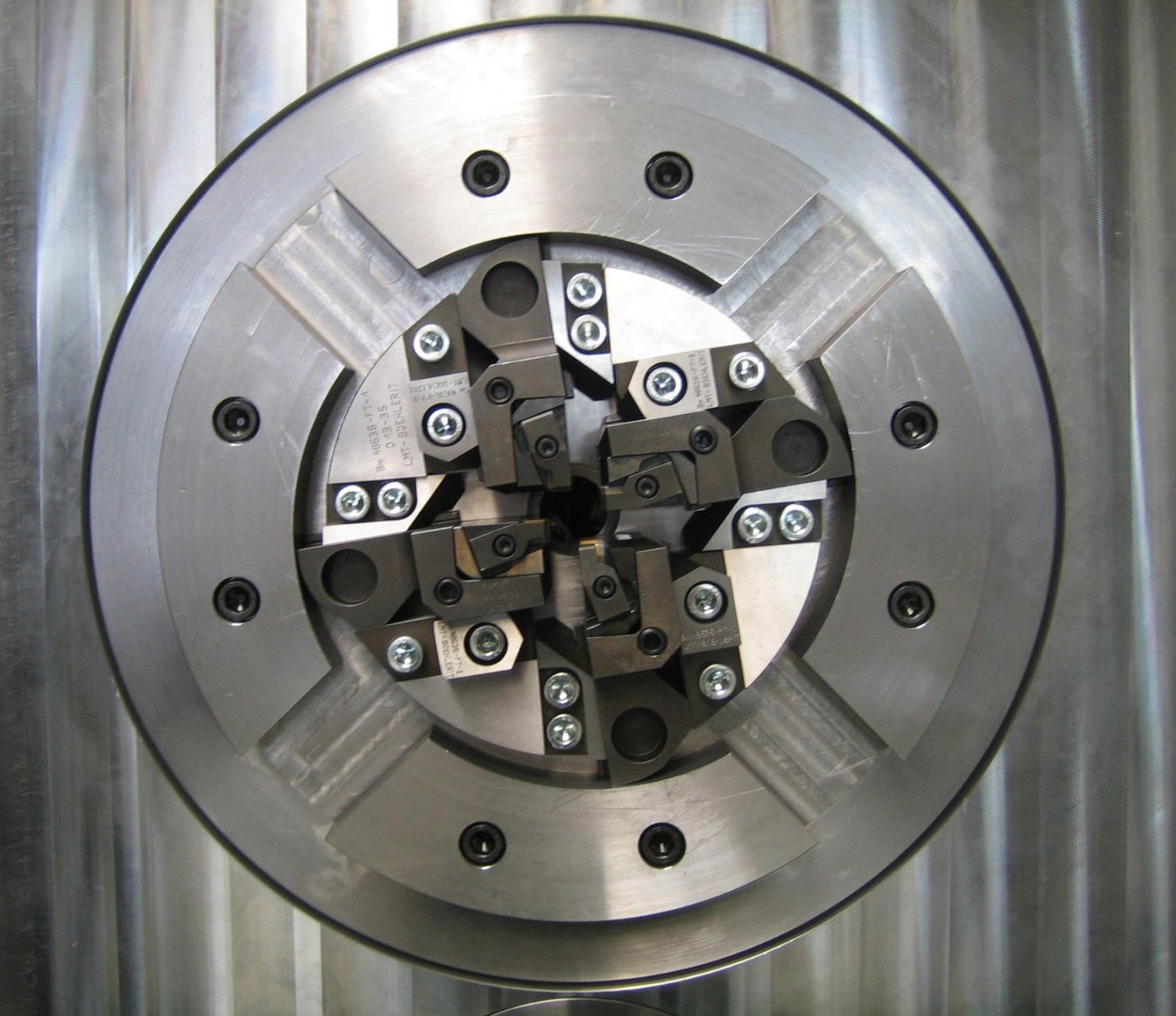
Type PM peeling machines feature a patented peeling head which keeps the cutters stable under all operating conditions. A unique system adjusts the peeling head to compensate for tool wear; the cutters are adjusted by rotating the inner section, on which the cutter holders are mounted,



in the outer ring of the peeling head. The guide elements for the outer ring are eccentric, with the result that the spacing of the cutters from the centre axis is set precisely by a simple movement of the two components relative to each other.

EJP in this way eliminates play in moving mechanical components, which can otherwise develop when racks and pinions are used. The cutters are readjusted under control even after long periods of operation, with the result that they are always accurately centred. This system also eliminates complex and costly maintenance.

Another benefit is the fact that the cutter holders are always fully supported within the housing of the machine as a whole. Unlike cone-based cutter guidance systems, they have no tendency



to vibrate, particularly in the case of large section diameters.

New presence in India

Since April 2016, EJP has been represented in India by Kemtech International Private Ltd. This company specialises in metallurgical industry systems and machinery for the production of wire, cables and tubes, in particular. Anuraag Mahajan, CEO of Kemtech, has known the industry for decades and is therefore the high-capability contact for his country's customers. Kemtech also deploys specially trained service technicians for servicing of EJP machines.

EJP at Wire China 2016

(Shanghai, 25 to 28 September 2016): Hall W1 Stand F47

EJP at Wire India 2016

(Mumbai, 5 to 7 October 2016): Hall 1 Stand G22

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