

FLYING SAW FOR CUTTING OF THE TUBES



In the case of unwinding pipes from a coil or in the production of lengthwise welded pipes, it is necessary to divide the pipes, rods or wires in constant motion using the so-called flying saw. Clamping jaws and a dividing disc with a drive form a separate moving unit. The clamps hold the moving pipe and move along the line at the same speed as the unwinding pipe. On the specified path the blade separates the pipe, the jaws open and the entire dividing unit returns to the starting point at high speed against the direction of unwinding and again clamps the moving pipe.

The speed of movement of the tube, the reverse speed of the dividing unit, the feed of the blade and the speed of the blade are controlled automatically.



Technical parameters of the machine

Split diameters, profiles:	6 - 120 mm
Length after division:	3 -21 m
Feed speed of pipe, rod:	up to 2.0 m/sec
Cutting accuracy:	+/- 1.5 mm
Control system:	Simatic S7 1500T

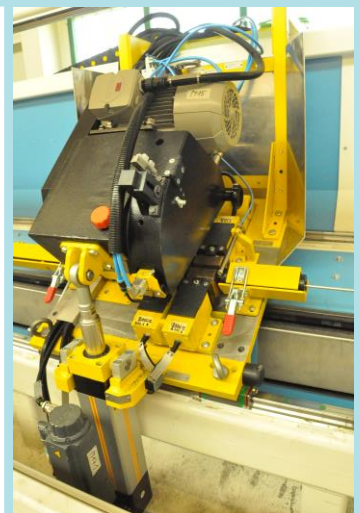
Hydraulic jaw clamping

Feed into the section by hydraulic cylinder or servo drive

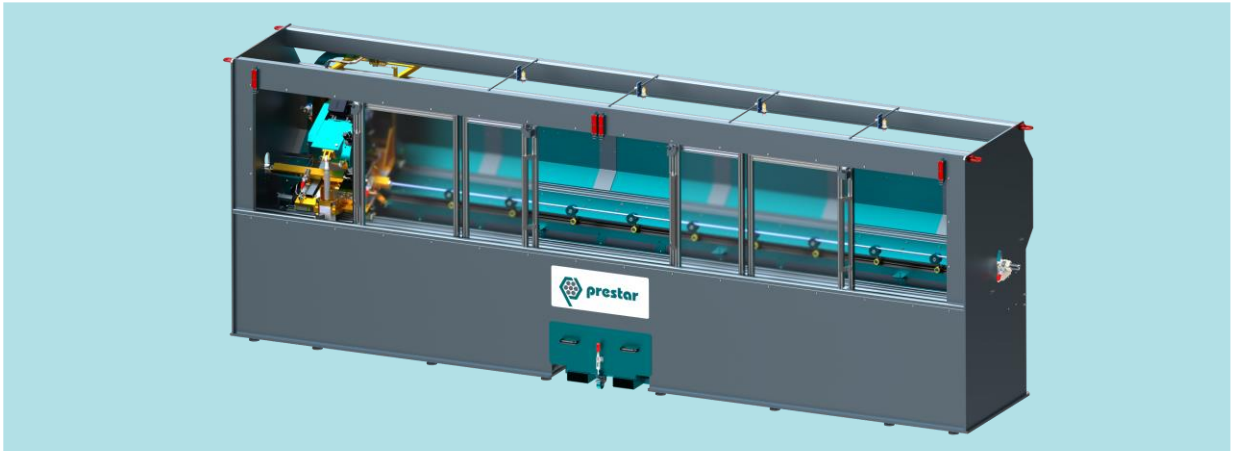
Variable blade feed into the cut when cutting closed profiles

Automatic lubrication system

Safety covering with transparent glass



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Other equipment of the machine

- Unwinding device before entering the flying saw with speed control
- Pre-levelling of pipes and rods after unwinding before cutting on a flying saw
- Continuous monitoring of defects and automatic carving of identified defects
- Storage of gifted tubes and bars in pockets according to different lengths
- Storing carved defects in a separate pocket
- Description and marking of profiles
- Collection of production parameters with automatic saving, display and data export
- Extended service with the possibility of displaying manuals, service manuals and other necessary documentation on machines to minimize service times

