

PACKING TUBES AND RODS INTO A BUNDLE



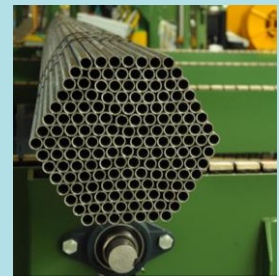
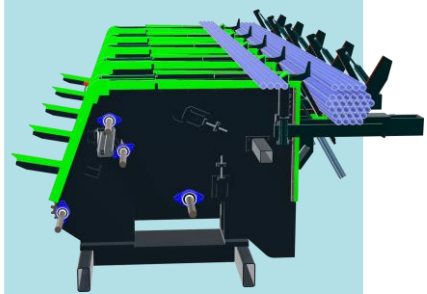
Automated creation of a bundle of pipes or rods into a hexagon or square. Individual pipes or rods are automatically deposited into layers according to the specification and create the entire required hexagon bundle. The pipe bundle is automatically moved to the strapping position. The bundles are automatically or manually strapped. During the strapping period, the following hexagonal bundle is already being created. Paper protective tapes can be inserted under the steel strips, and then wrap the entire bundle in stretch foil. Entering the shape of the bundle, the number of pipes and the number of tapes is entered by the machine operator at the service desk. Finished bundles can be weighed, labelled or stoppered. The bundles are stored on a conveyor and ready for removal by crane.



Technical parameters of the machine

Profiles to bundle:	Round, hexagon, square, rectangles, profile steel
Pipe diameters:	6 – 120 mm
Lengths of tubes, rods:	3 – 18 m
Bundle size hexagon, square:	up to 600 mm
Bundle weight:	up to 6 000 kg
Control system:	Simatic S7
Inlet pipe cycle:	from 5 sec/ piece
Output cycle:	Depending on the number of pieces in a bundle
Strapping cycle:	Approx. 60 sec per tape
Desk equipment:	Process display, production statistics, error messages, data transfer to company management

Automatic, semi-automatic and manual mode



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Other equipment of the machine

- Separating the free bundle and feeding the tubes into the packaging machine of 1 pc each
- Equipping the machine with zip ties to create a circular bundle during manual strapping
- Weighing a bundle on certified scales and printing a weighing ticket
- Automatic stoppering of pipes and closed profiles with transport plugs
- Marking of individual pipes and whole bundles based on customer requirements
- Backing of steel tape with paper tapes
- Wrapping the entire bundle or ends of the bundle into stretch foil
- Blowing through pipes to remove liquid, chips and dirt from the inner diameter
- Extended visualization of machines with an emphasis on intuitive and detailed display of the operating states of the packaging machine
- Extended diagnostics of the machine with an emphasis on displaying the place of occurrence of the fault on the layout scheme of the machine
- Extended service with the possibility of displaying manuals, service manuals and other necessary documentation on machines in order to minimize service times
- Collection of production parameters with automatic saving, display and data export

