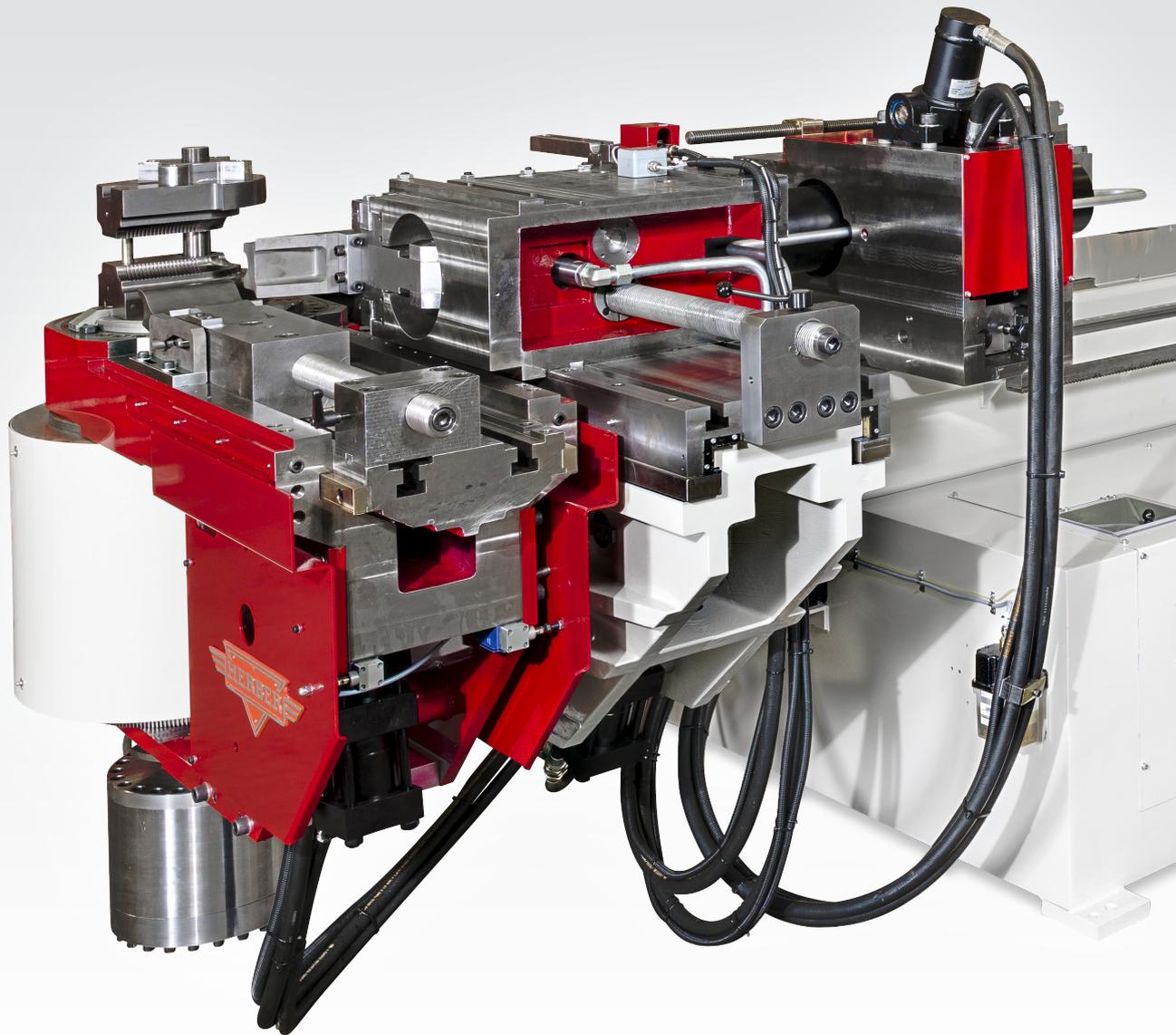


Booster Benders for Boiler Tubes

Tube and Pipe bending machines engineered to meet the specific demands for producing; Super Heater Coils, Boiler Bank Tubes, Water Wall Panels and Economizers Coils.





Technical data	76 CNC TB	90 CNC TB	127 CNC TB
Capacity, Ø mm	63 × 5	90 × 5	127 × 5
Radius, min/max, mm	40/200	50/250	80/320
Booster Force	125 kN	240 kN	320 kN
Bending speed/repeatability	40°/s. ±0,1°	40°/s. ±0,1°	24°/s. ±0,1°
Length of mandrel, mm	3 000	4 000	4 000
Weight, kg	7 000	10 000	17 000
Machine dimensions, m	6,7 × 1,7 × 1,8	7,0 × 2,2 × 1,4	7,0 × 2,2 × 1,8
Motor kW	32	40	40
Tube positioning	900 mm/sec	900 mm/sec	900 mm/sec
Accuracy	0,05–0,1°/mm	0,05–0,1°/mm	0,05–0,1°/mm
Noise level	<75 dB	<75 dB	<75 dB



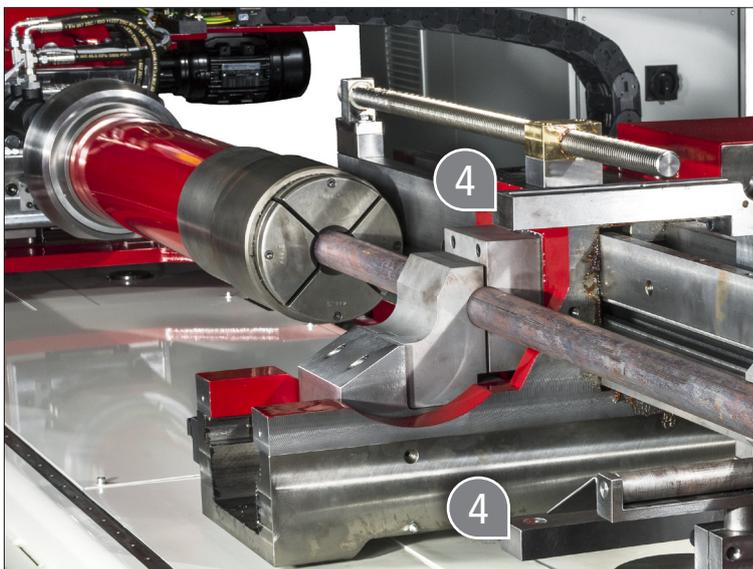
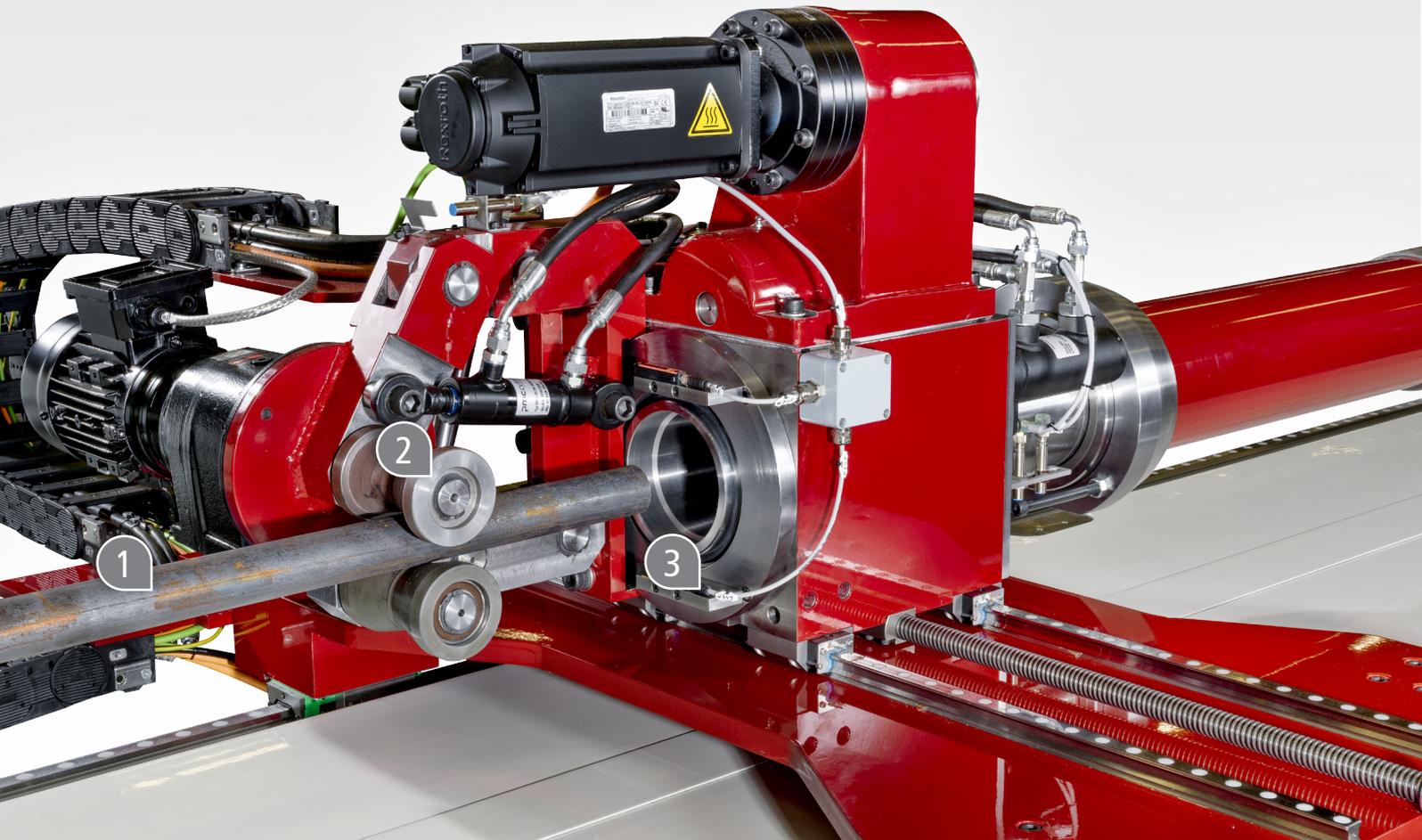
Booster Benders for Boiler Tubes

Herber Engineering AB has been manufacturing cold forming machinery for tube and pipe since 1945 and with almost 70 years of experience is recognized worldwide as one of the premier manufacturers and largest producers of booster bending machines specifically engineered for the precise requirements of the boiler industry.

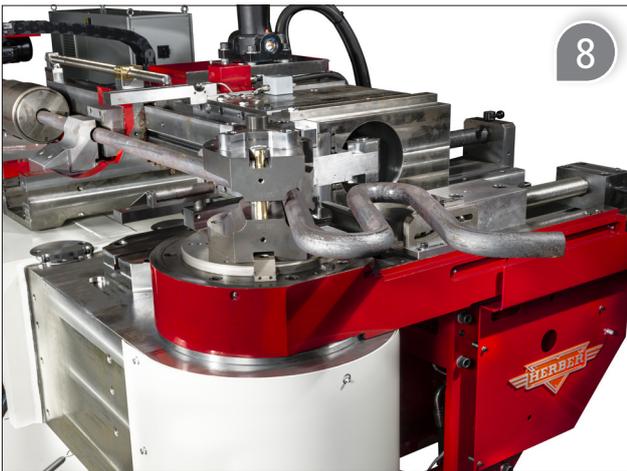
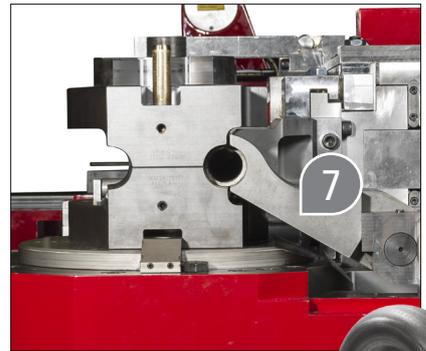
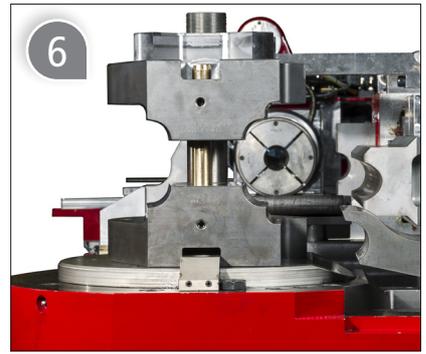
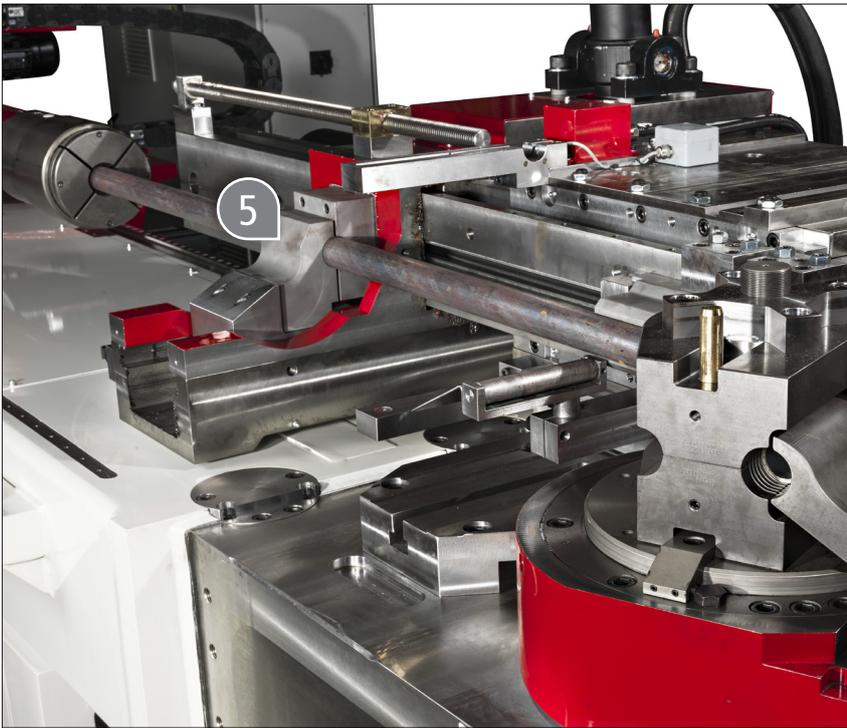
- ▶ We design and manufacture all of our own bend tooling, leaving no fingers to point at outside suppliers.
- ▶ We have a well developed and proven CNC control system to manage all machine functions.
- ▶ We offer a proven CNC Servo Controlled Booster system in addition to a booster clamping device.
- ▶ We have the ability to provide proven results of down to less than $1 \times D$ bending without mandrel.
- ▶ We can utilize a specifically engineered clamping and pressure die system for serpentine bending without interference points.
- ▶ We offer complete tube feeding and loading systems with photo sensor allowing an unlimited tube length.
- ▶ A split die actuator comes as a standard.
- ▶ We can offer the machines with Clockwise or Counter Clockwise bend arm rotation.
- ▶ We can adapt the machine for any operating climate.
- ▶ CE Marked

Boost your bending and your bottom line

Herber Booster Benders can be fitted with equipment for bending long tubes directly from handling equipment, material storage racks or welding station.



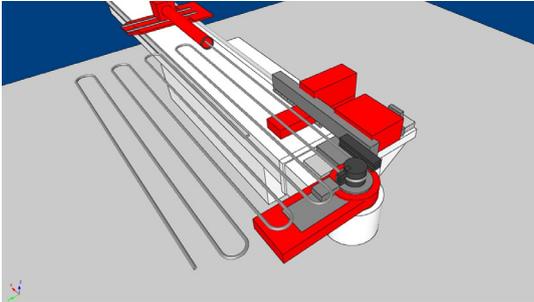
1. Tube feeding directly from handling equipment or material storage racks.
2. Motorized in-feed system for presenting the tube to the bend tooling.
3. Laser sensor for detecting the incoming edge of the tube.
4. Laser sensor for determining the exact position of the tube after in-feeding.



- 5. Booster clamping device for centerline boosting with enormous force thus greatly reducing wall thinning and ovality of the bent tube.
- 6. Split die tooling for bending 180 degree bends.
- 7. Drop away clamp system.
- 8. Bending serpentine bends with small radii.

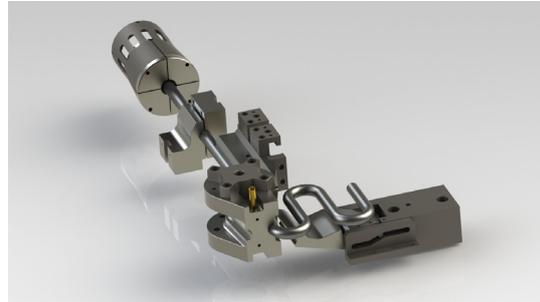
Typical Booster Bender product.

The complete solution



Simulation Software

Herber's simulation software allows the operator to have full control over their bending machines by seeing and correcting for any potential programming mistakes before they happen. Thus saving time and extremely valuable raw material.



3 Dimensional Tooling design

Herber designs and manufactures all of its own bend tooling for their Boiler Benders including special designs to bend tubes down to $0.8 \times D$ without mandrel.

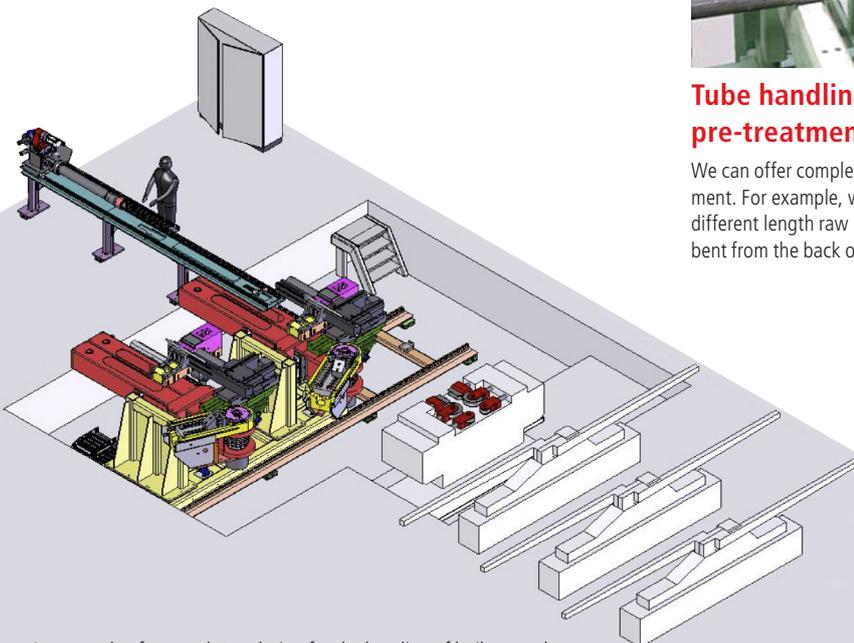
CNC-Control Panel

Our CNC Control system which is offered in many different languages has an incorporated simulation software/offline programming package along with an extensive database for tooling and materials.



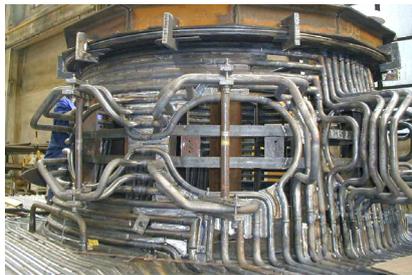
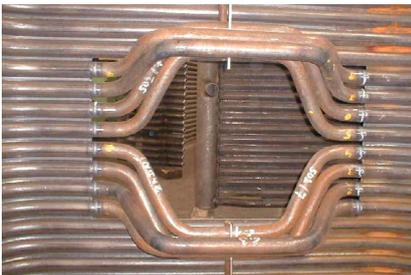
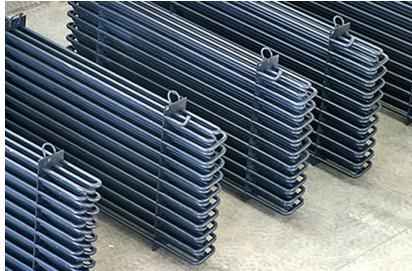
Tube handling and pre-treatment equipment

We can offer complete tube handling and pre-treatment equipment. For example, we can offer a raw material storage system with different length raw material that is simultaneously sorted, fed and bent from the back of the CNC bending machine.

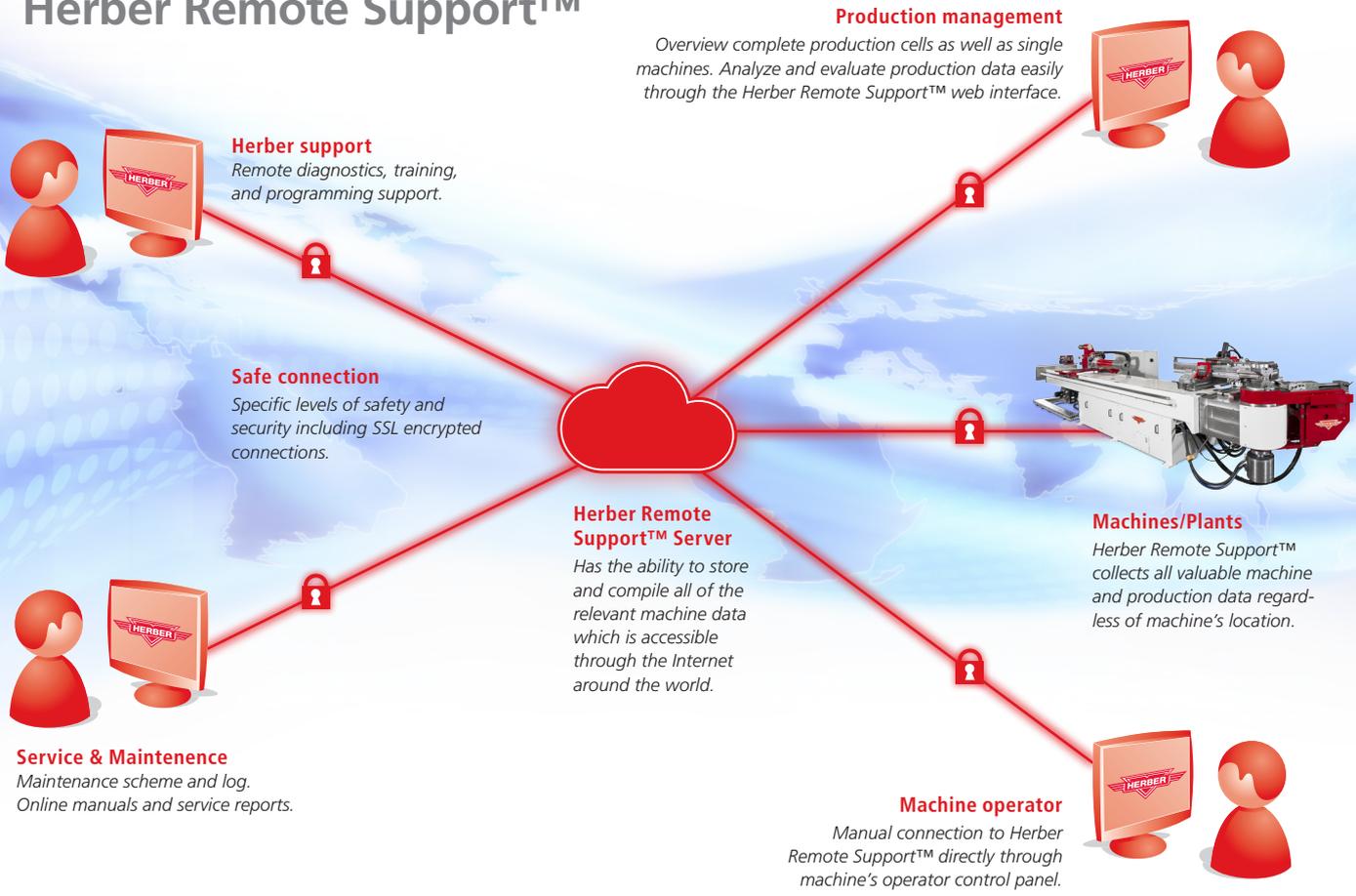


An example of a complete solution for the bending of boiler panels.

Product gallery



Herber Remote Support™





Your No.1 choice for advanced tube forming machinery and solutions

Herber Engineering AB has been manufacturing cold forming machinery for tube and pipe since 1945. Our mission is to deliver custom tailored solutions to a customer's specific problem. Every machine can be fully customized to a customer's specific requirement and precision in every exacting detail is one of our key principles.

Herber service & support

A good preventive maintenance plan is the key to safe, secure production but despite good maintenance, operating disruptions can still arise, in which case Herber is there to help you get the machine back online as quickly as possible.

Our service organization is just a telephone call away. The electronics in our machines enable online diagnostics to be set up between your machine and our technical team members for rapid fault detection and correction. If telephone support or online diagnostics is not enough to repair the issue our service vehicles and team members are on call with a mobile stock of spare parts. Wherever you are we will be there as quickly as we can to help facilitate a quick return to full operating capacity.



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