Straight drawing machines

New draw cell

A new drawing machine with toothed rack drive has been designed and built for the drawing of steel tubes.

The installation is equipped with tube separation, prebench as lifting table, draw bench with toothed rack drive, motoric adjustment of mandrel rod counterbearing, die stand with suction device, tube brake, high-performance sampling saw, scrap trough and trough for finished material.
Our straight drawing machines for tubes with one-sided guided drawing carriage are used for the precision drawing of tubes and/or hollow rods. The robust design facilitates an operation during decades almost without any trouble and few maintenance works are required.

1-2-3-4-X…fold drawing machines are used.

Ancillary equipment for Tube drawing machines:

Automatic separation, tube internal gripper system, cross and longitudinal conveyor in line with: among
others tube straightening machine, cutting, chamfering, testing and packing equipment.

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**Special drawing machine for hot tubes**

Ancillary equipment:
- Tube and tool heating device

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**Bar drawing machine**

- Our straight drawing machines for bars with one-sided guided drawing carriage are used for the precision drawing of solid material with different cross sections. The following cross sections among others can be...
processed with our machines: rounds, squares, hexagons, octagons, symmetrical and unsymmetrical profiles and hollow bars as well as flats. 1-2-3-4-X…fold drawing machines are used.

**Ancillary equipment for Bar drawing machine:**

Automatic separation, push-in device (push-pointer), pull-off device (pull-pointer), cross and longitudinal conveyor in line with among others: straightening machines (2 roll straightening machines or profile straightening machines), cutting, chamfering, testing and packing equipment.

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**Bar, tube and profile drawing machine**

Our straight drawing machines for tubes, bars and profiles with one-sided guided drawing carriage are used for the precision drawing of different cross sections. The following cross sections among others can be processed on our machines: rounds, squares, hexagons, octagons, symmetrical and unsymmetrical profiles and hollow bars as well as flats. 1-2-3-4-X…fold drawing machines are used.

**Ancillary equipment for Bar, tube and profile drawing machine:**

Automatic separation, push-in device (push-pointer), pull-off device (pull-pointer), cross and longitudinal conveyor in line with among others: straightening machines, cutting, chamfering, testing and packing equipment.

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**Ancillary equipment for the straight drawing machine:**

For all straight drawing machines mentioned above the following types of drives are available:
• Drawing chain (directly attached to the drawing carriage)
• Hydraulic cyylinder, hydraulic plunger
• Toothed rack

Advantages of our straight drawing machines:

• simple material discharge by one-sided travelling, backlash-free drawing carriage
• heavy, robust design, almost no vibrations during the operation
• push-in device to be integrated, pull-off device
• stretching device to be integrated
• a later increase of the drawing force is possible, for example by our patented, servo-aided drawing process
• no tooling change of the drawing carriage required and e.g. push-in device by a special drawing process