



Tube bending machines - Transfluid - DB 630 CNC - MACH-ID 8531



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MACH-ID 8531

Make Transfluid
Type DB 630 CNC
Year 1997
Control Transfluid

Specifications

Max. Tube Ø 30 mm

Max. Wall thickness 2 mm

Max. Bending radius 180 mm

Max. bending length 3048 mm

3e dimension bending 360 mm/min.

Min. Tube Ø 4 mm

Min. Bending radius 10 mm

Power 22 kW

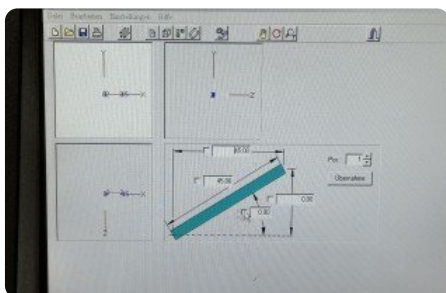
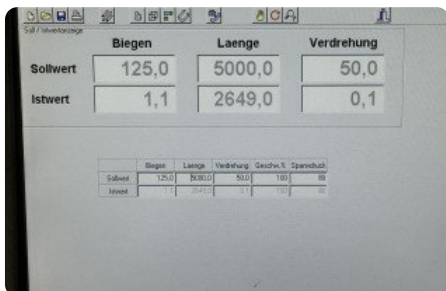
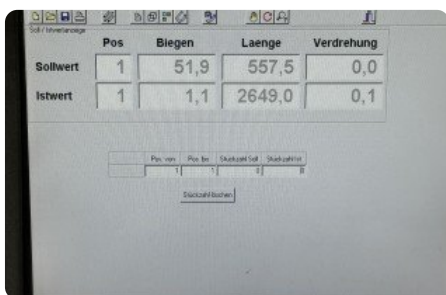
Dimensions

Length 4700 mm

Width 1400 mm

Height 1500 mm

Weight 2600 kg



Please Note: The information on this page has been obtained to the best of our ability and belief, and from the manufacturers where possible. It is given in good faith, but its accuracy can not be guaranteed. Accordingly, it will not form a representation or constitute contractual terms. We advise you to check any vital details!



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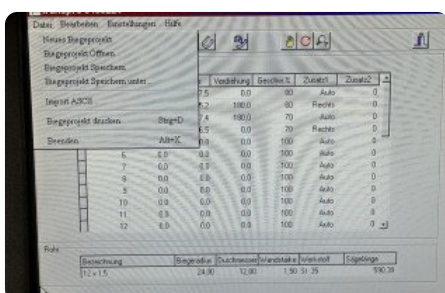
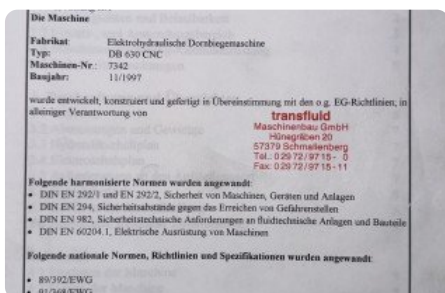
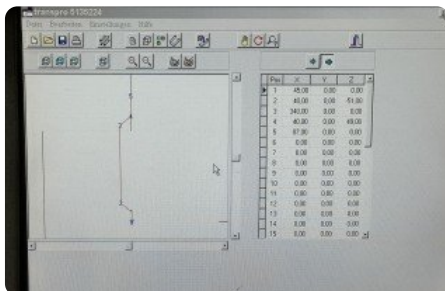
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Capacity:

– Round tubing mild steel	30 x 2,0 mm Ø
– Round tubing stainless steel	30 x 1,5 mm Ø
– Square tubing mild steel	20 x 2,5 mm
– Max. moment of resistance	1,18 cm ³
– Bending angle up to	180° + 10° spring back
– Bending speed	65°/ Sec.
– Speed of front feed	400 mm/sec.
– Speed of rotation	90°/sec.
– Accuracy of the bending axis	+/-0,2°
– Accuracy of the length	+/-0,1 mm
– Accuracy of the rotation	+/-0,1°
– Arbor length/Usable length	3048 mm
– Radii	max. 85 mm
– Bending height	1050 mm
– Power bending axis	electro-hydraulic
– Automatic positioning of the rotation and length	servo-electric
– All other axes (e.g. clamping, mandrel forwards/backwards, etc.)	electro-hydraulic

Machine equipment-/basic accessories:

- Compact, exposed bending head
- Bending direction clockwise
- With hollow shaft for using tooling for small radii
- Include wide opening pressure die, to allow the off set bend device with the long neck clamping to move directly behind the bending tool
- Attention: For each tube-Ø you need a separate collet
- For a correct positioning of the mandrel the machine is equipped with a mandrel support
- the machine is conform to the electric and mechanical security guidelines and the CE norm
- The emergency area in front of the machine is controlled via scanner
- Starting of operation via hand button
- With automatic tool resetting
- Manual operation
- Each function clamping on/off, mandrel forward/back, bending on/off initiated by selection and pressing of respective button (for proto type and sample production)
- Standard-norm-hydraulic components
- Machine stationary
- Colour RAL 3020 red, 7047 grey

Machine data:

- Including connection for external pressured air supply, 6 bar
- Nominal pressure 250 bar, Operating pressure 150 bar
- Operating voltage 400 Volt – 50 Cyl. – 3 Ph. 22 KW
- control voltage: 24 VDC
- Capacity of the hydraulic tank 70 Ltr.
- Length 4700 mm
- Width 1400 mm
- Height 1500 mm
- Weight approx. 2400 kg + control panel 200 kg

Control description:

- Fitted with 3-axis control of the bending angle, the rotation axis and the longitudinal movement in the different planes



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- The bending axis, the rotation axis and the length axis are coupled with each other, it ensues a permanent actual and nominal comparison also the control checks the tolerance and actuates further operations
- Integrated computer – IBM-compatible, current technology
- It ensues a permanent actual and nominal comparison on the screen
- User surface Windows
- Separate control element including Tozchpanel for setup and start of automatic cycle

Standard equipment CNC control:

- With max. 20 different positions of each tube, all positions are controlled in the PC program
- Possibility to store 1 Mio. tubes with 20 positions each under drg. numbers
- After input you can store the tube
- Storage of the drg. numbers according to WIN Standard
- If the control registrates a breakwown or faults, you can see in the screen via text
- The off set bend device moves to the front position for an easy input and output of the tubes

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