

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



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MACH-ID 8531

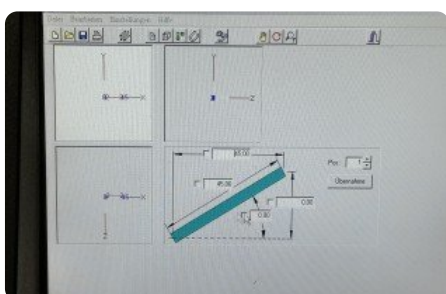
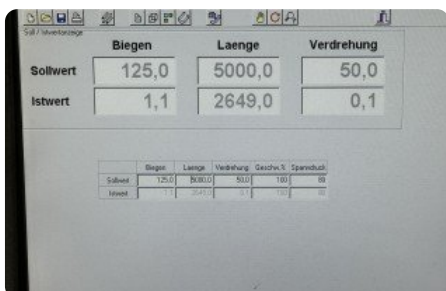
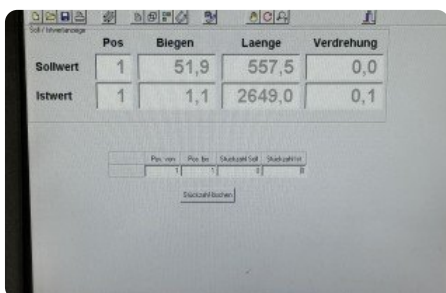
Make Transfluid
Type DB 630 CNC
Year 1997
Control Transfluid

Specifications

Max. Tube Ø	1.181 inch
Max. Wall thickness	0.079 inch
Max. Bending radius	7.087 inch
Max. bending length	120 inch
3e dimension bending	360 mm/min.
Min. Tube Ø	0.157 inch
Min. Bending radius	0.394 inch
Power	22 kW

Dimensions

Length	185.039 inch
Width	55.118 inch
Height	59.055 inch
Weight	5734.6 lbs



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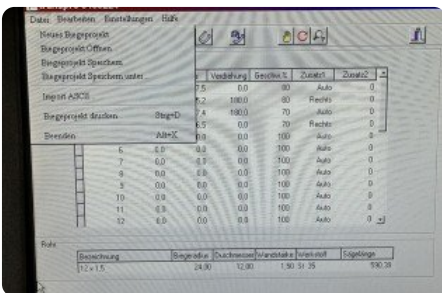
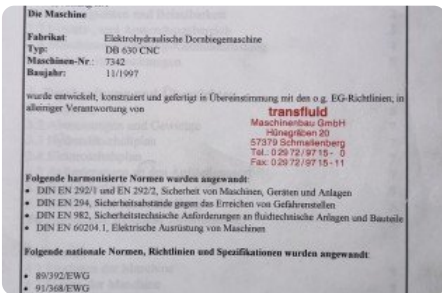
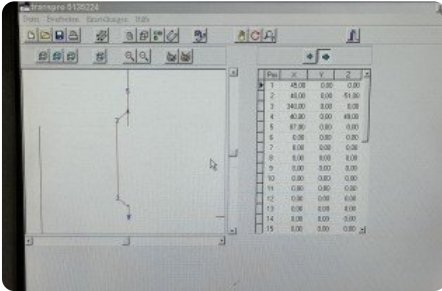
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Capacity:

- | | |
|--|------------------------|
| – 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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