



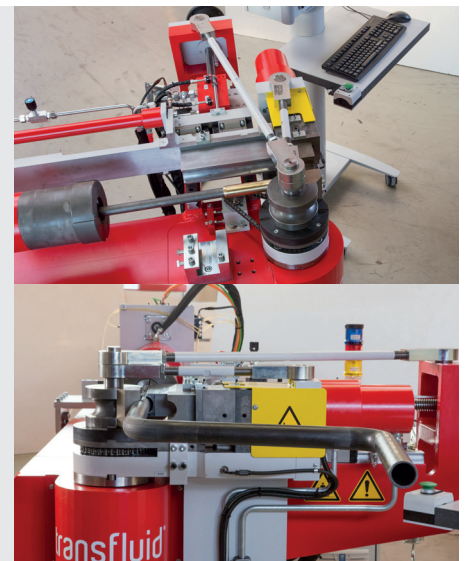
watch the  
movie



Automate your misc iron  
with a transfluid® CNC  
handrail bending machine.

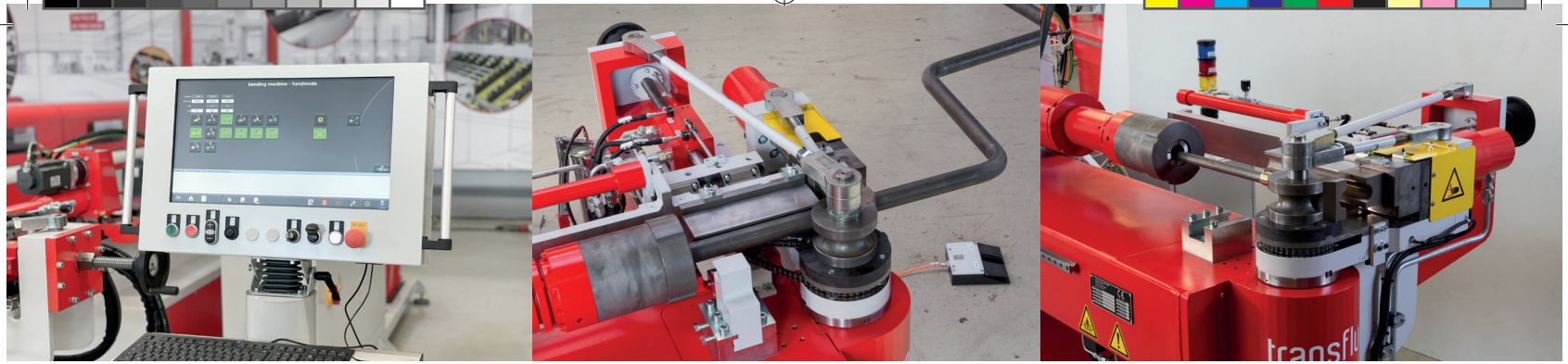
## DB 2060 3A-CNC-R mandrel bending machine

- Typical bend time for a 4-bend wall rail is less than 2 minutes
- Bends steel, stainless steel and aluminum, all while maintaining extraordinary bend quality
- Bends to the same radius as purchased elbows, so when an elbow is still required, the bends look exactly the same (no cosmetic difference between the two joints)
- Accuracy and repeatability allow for the rail to be used as a template, greatly reducing layout time on the bench



[www.transfluid.net](http://www.transfluid.net)

transfluid®  
The solution for tubes.



The **DB 2060 3A-CNC-R mandrel bending machine** performs tight radius bends with the highest quality. The machine meets all industry standards and exceeds customer expectations. This machine was designed specifically for bending handrails.

Our robust machine construction means customers have come to expect decades of heavy use. This machine is supplied with an easy-to-use Siemens CNC control system, which utilizes an intuitive program in a Windows based operating system set up for networking.

Simple and intuitive manual input by machine operator with 3D graphical display. Import module allows easy import of step files from Tekla and other detailing systems.

## Machine Capacity

- Round tubing mild steel 2.375" OD x .188 wall for full 20' length \ 3" OD x .120" wall max at 10' length
- Round tubing stainless steel 2.375" OD x .120 wall for full 20' length \ 3" OD x .065" wall max at 10' length
- Square tubing mild steel 1.5" Sq. x .125 wall \ 2" Sq. x .188 wall
- 2" Pipe x Sch. 40 mild steel
- 1-1/2" Pipe x Sch. 80 stainless steel

## Innovative Hydraulic System

- Energy savings up to 70% by control of the hydraulic pump via a servo motor.
- On demand system only runs when hydraulic pressure is required; reducing the overall duty cycle and increasing lifecycle of all hydraulic components.
- Speed and volume of the pump can be precisely adjusted as required.
- Pressure is programmable and stored with program, eliminating operator intervention.
- Heating of the oil eliminated, therefore no additional cooling unit for the oil is necessary.
- The pumps and motors can be specified to a smaller size precisely for the application, which increases efficiency.

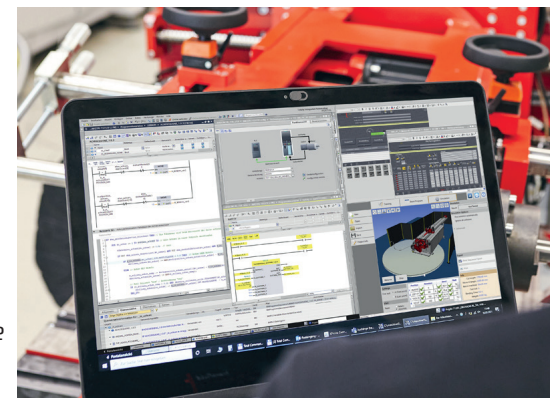
## T-PROJECT PROFESSIONAL

Collision tests may be carried out to determine whether the tube will collide with the machine or the machine environment. In case of a collision, the software recommends solutions so that the workpiece may be bent with only slight changes. All the dimensions of the machine relevant for the collision test are accepted directly by our CAD system.

Transfluid® bending machines enable processing of tubes that are already fitted with flanges or forming. The software can calculate the position of the flange and control the machine accordingly.

Over-lengths can also be included and calculated automatically for forming.

- 3D-simulation of the bending process including collision test with the chosen machine.
- The software provides possible solutions in case of collision.



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The solution for tubes.

**transfluid tube processing machinery Inc.**

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