

BENDTRONIC® – CLOSED LOOP

*JUST* **PERFECT  
BENDING**



## INTELLIGENT CNC CONTROL

# BENDtronic®

## PERFECT CONTROL

The HAEUSLER BENDtronic® is a CNC control with artificial intelligence. It allows anyone to control not only the movements of the machine, but also the bending result itself.

In order to be able to bend the desired product shapes and optimally support the operator, the BENDtronic® contains various tools:

### | NEW CLOSED LOOP

With the help of the system's intelligent information feedback, a fully automatic bending process is possible from the first sheet with little rework and no scrap. This makes production time, cost and personnel efficient.

### | CAPACITY CALCULATOR

Feasibility check of the tasks. In addition, the machine utilisation, the remaining straight ends and the expected springback are calculated.

### | APPLE CALCULATOR

Calculation of different ways to achieve the desired apple shape of a cylindrical part when bending.

### | BEND CALCULATOR

Calculates the required positions of the rollers to achieve the desired radius.

### | SINGLE RADIUS MULTI PASS

Automatically generates a CNC programme, also applicable for bending in multiple passes.

### | MULTI RADII

Automatically generates a CNC programme for complex geometries, also applicable for bending in multiple passes.

### | CONE CALCULATOR

Actively supports the operator when bending cones. The software calculates whether and how an individual cone can be bent on the machine. Furthermore, the required inclination of the rollers and the required pressure are calculated.

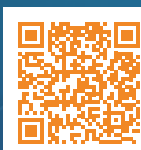
INTELLIGENT CNC CONTROL

# INTUITIVE *USER INTERFACE*

The intuitive user interface of the BENDtronic® guides the operator through the highly complex bending processes with ease. Even with unknown materials, users can reliably achieve the best bending results.

PRODUCTFORM	CYLINDER	CASE FORM
	KONUS	OVAL
	S-FORM	COMPLEX GEOMETRIES





→ **LEARN MORE:**  
[haeusler.com/en/bendtronic](http://haeusler.com/en/bendtronic)



## FULLY AUTOMATIC BENDING PROCESS

The fully automatic control makes the bending process operator-independent and independent of material variability.



## NO MORE SCRAP

Thanks to the intelligent CNC control, you always get perfect results without scrap.



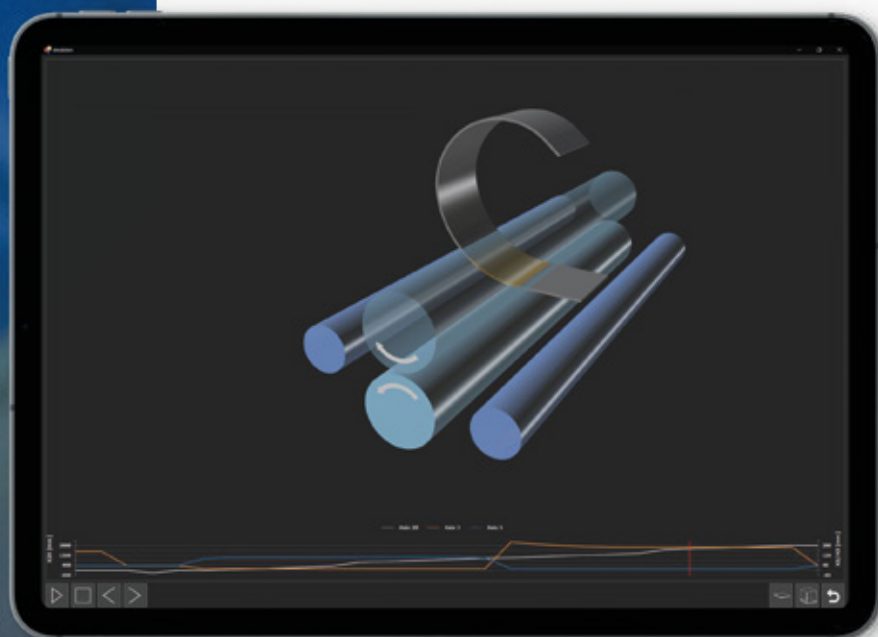
## HIGHEST EFFICIENCY

With the intelligent, fully automatic BENDtronic® control, you increase your efficiency in bending immensely through reduced overall production time.

## FULLY AUTOMATIC BENDING

**BENDTRONIC®**  
*CLOSED LOOP*

The integrated artificial intelligence in the BENDtronic® control makes a fully automatic bending process possible. With the help of information feedback, a closed loop is created in the bending process. This eliminates rework. In addition to this increase in production efficiency, this innovative technology also enables enormous independence in the choice of suppliers, as material fluctuations are compensated for by the intelligent system.



→ **LEARN MORE:**

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