

**Kunkel** 

Rudolf Kunkel Maschinenbau GmbH



ENGINEERING  
FOR MANUFACTURING

INNOVATIVE AND  
FUTURE-ORIENTED



**ECO 80**

**STRAIGHTENING AND BENDING MACHINE  
FOR BEGINNERS**

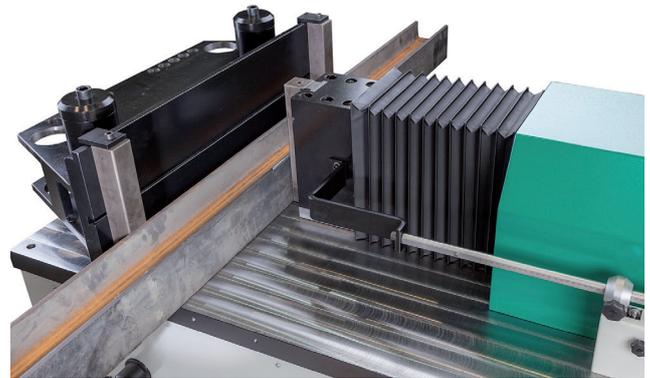
[www.kunkel-maschinenbau.de](http://www.kunkel-maschinenbau.de)

# ECO 80

## STRAIGHTENING AND BENDING MACHINE

As the type name suggests, this machine type stands out due to its excellent price/performance ratio. Additionally, the machines are very easy to operate. A manually controlled valve directly makes the cylinder move forward and backward. This intuitive mode of operation makes it easy to shape bent parts as single units or prototypes within a matter of seconds. Should several pieces or a small series production be required, it is possible to fix the forward and return strokes by simple manual cam adjustment.

Small stroke tunings can be done effortlessly and quickly by using the fine adjustment feature of the rear cam. Foot switches leave the hands free, ensuring optimal occupational safety for the operator. Rugged construction of the machine provides durability with little maintenance required.



### TECHNICAL DATA

Compressive force	800 kN (80 t)
Adjustable	0-800 kN
Cylinder stroke	300 mm
Clearance	450-570 mm
Motor power	5 kW
Operational pressure	315 bar
Bending capacity	300 x 25 mm at V160, 300x 32 (34) mm at V200
Straightening capacity	800 with distance of 1,500mm to the straightening block
Tool height	300 mm
Dimensions (LxWxH)	1.900 mm x 900 mm x 1.500 mm
Weight	2.500 kg

### PRECISE RESULTS WITHIN A VERY SHORT TIME

Horizontal straightening and bending machines ensure improved ergonomics and highest precision with greatest possible time savings - wherever where straightening and bending machines don't provide a permanent load of highly specialized equipment. This means - in contrast to e.g. to the flame-straightening, that require a lot of experienced personnel - that also low-skilled employees can be trained on a Kunkel bending machine. Even low-qualified personnel are thus able to produce precise work results within a very short time.

### KUNKEL-MACHINES - AN INVESTMENT THAT PAYS OFF

The easy handling, the easy to understand control and the robust construction with fast tool change makes an investment in a Kunkel machine pay for itself - even at low utilization - within a very short time.



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## BY PRACTITIONERS FOR PRACTITIONERS

We have been building straightening and bending machines for 3 generations. Customers can't only expect quality „Made in Germany“, but also a high investment security. Kunkel machines retain their value. When deciding on a stronger, technically more advanced or newer machine we will accept the „old one“ in payment. We offer a comprehensive know-how and a powerful service.

## STRAIGHTENING AND BENDING MACHINES FROM KUNKEL

Kunkel machines are suitable for manufacturing as well as industrial production. Our straightening and bending machines cause only negligible follow-up costs. All Kunkel tool holders are also suitable for self-made or existing tools / convertible. Another plus is the ease of use - every worker in your company can operate these machines. We offer machines for every budget. You have the choice – from cam control to fully automatic PC control. Upgrading and the trade-in of old Kunkel machines is possible.

## WE OFFER COMPLETE SOLUTIONS - ACCORDING TO YOUR WISHES!



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