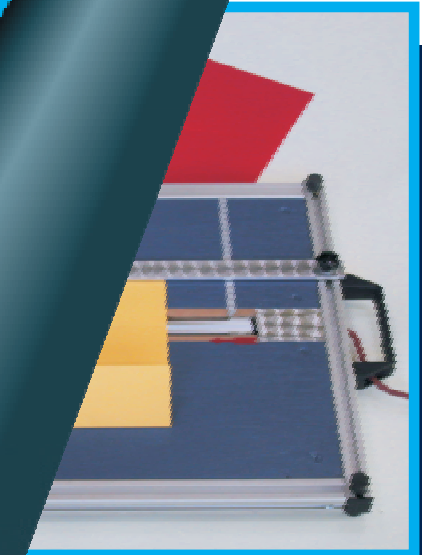
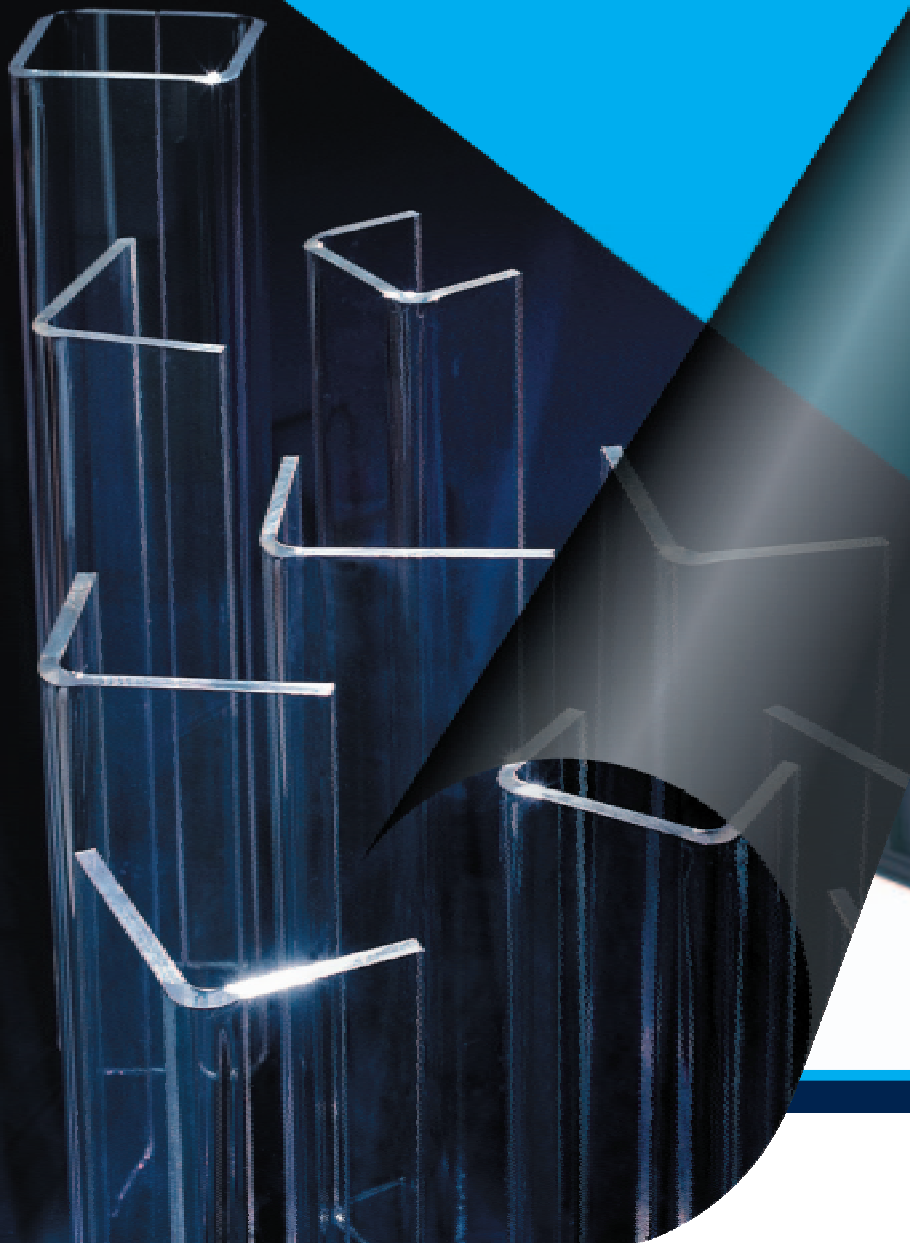




HERZ

H 62 10/2004 GB

The new generation of heating and folding machines



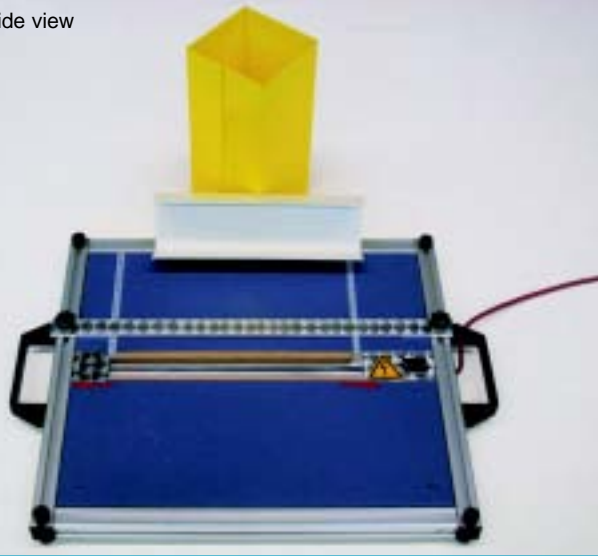


Benefit from our know-how

This brochure is intended to help you select the devices or machines that that best meet your needs.

Our range covers everything you need to heat and fold sheets of thermoplastic material with a material thickness between 0.25 and 20.0 mm, beginning with a small starter model up to large machines.

Photo: Top side view



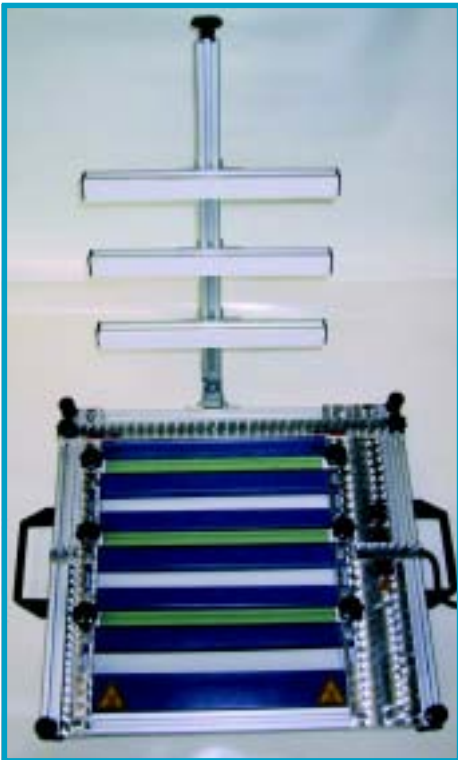
The **mini-heater** is the cheapest option for all beginners who want to heat small displays or other parts before bending them. Thanks to the possibility of using both sides of the contact surfaces, foils of 0.25 – 1.0 mm thickness can be heated ready for bending on the one side, and sheets of 1 – 4 mm thickness on the other side - without the need for any time-consuming adjustments.

A particular advantage of the unit is its small, compact and portable shape and its versatility.

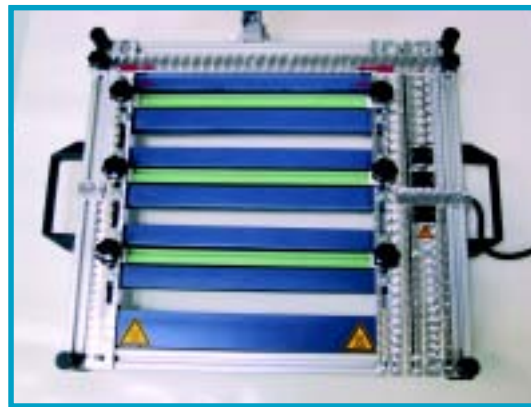
Mini heating element		
Max. working width	mm	300
Sheet thickness	mm	0,25-4
Device width	mm	660
Device depth	mm	500
Voltage supply	V	230
Connected load	W	250
Device weight	kg	8,2

Photo: Bottom view





As an addition to our start-off models we offer a Mini **Multiple Heating Bar** with optional two or three heating zones. Similar to the **Mini Heating Bar** you can heat up foils of 0.5 - 1.0mm thickness on one side and sheets of thermoplastic material of 1.0 – 4.0mm thickness on the other side and bend them afterwards manually or with a jig.



Especially, the **manual heating blade HS** of this series can be used in building sites for bend welding of PP and PE sheets within the construction of tanks, ventilation systems and plastic fabrication. The temperature of the teflon coated heating element is exactly adjusted by a digital thermostat. The deposit station provided in the scope of delivery allows to safely put down devices not in use.

Heating blade		HS 100	HS 150	HS 200
working width	mm	1000	1500	2000
demand of supply	kW	0,7	1,0	1,1
supply voltage	V	230	230	230
weight	kg	7	9	11



TG series desktop heating elements

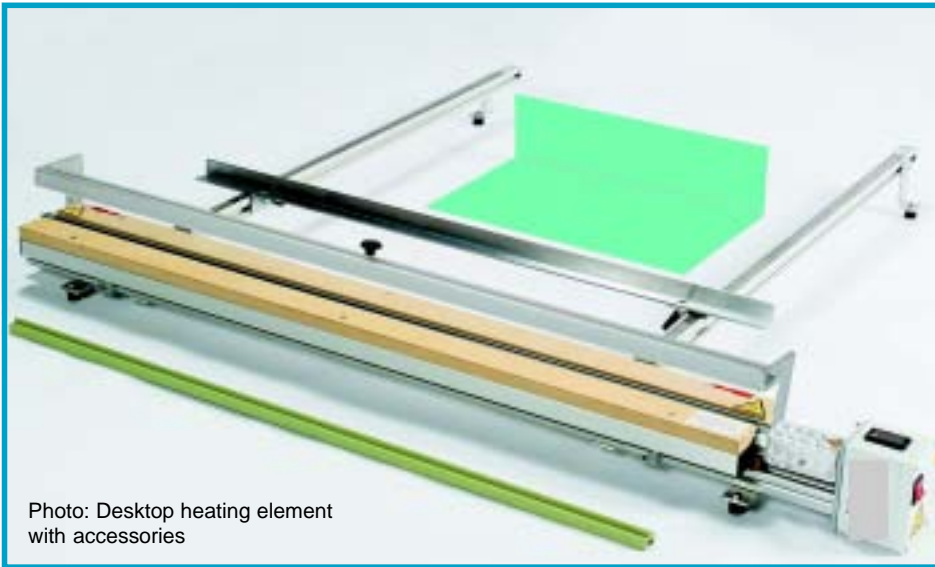


Photo: Desktop heating element with accessories

The **TG desktop heater** is made of aluminium profile and is equipped, as all of our devices and machines, with a black radiator as heating system. The heating temperature is set and monitored by a digital thermostat. This ensures exact and reproducible heating of all thermoplastic materials. A parallel end stop, which is available as an accessory, as well as a digital time switch are very helpful for the production of small quantities. By attaching the teflon-pad clip-on rail (accessory) it is also possible to heat foils of 0.25 to 1.0 mm ready for bending within a few seconds.

Desktop heating element		TG 100	TG 150	TG 200	TG 250	TG 300
Max. working width	mm	1000	1500	2000	2500	3000
Max. sheet thickness	mm	6	6	6	6	6
Device width	mm	1400	1900	2400	2900	3400
Voltage supply	V	230	230	230	230	230
Connected load	kW	0,7	1,0	1,1	1,5	1,6
Device weight	kg	12	15	18	21	24

The **desktop heating element TG ... mO** (TG with top heating element) is of the same construction as the desktop heater TG, but it can, due to its double-sided heating system, heat plates for bending with a thickness of up to 15 mm. It is, furthermore, equipped with a standard digital time switch for process control that gives an audible signal when the work-pieces should be removed. A teflon-pad heating blade for fold-welding of PE and PP plates is available as an accessory.

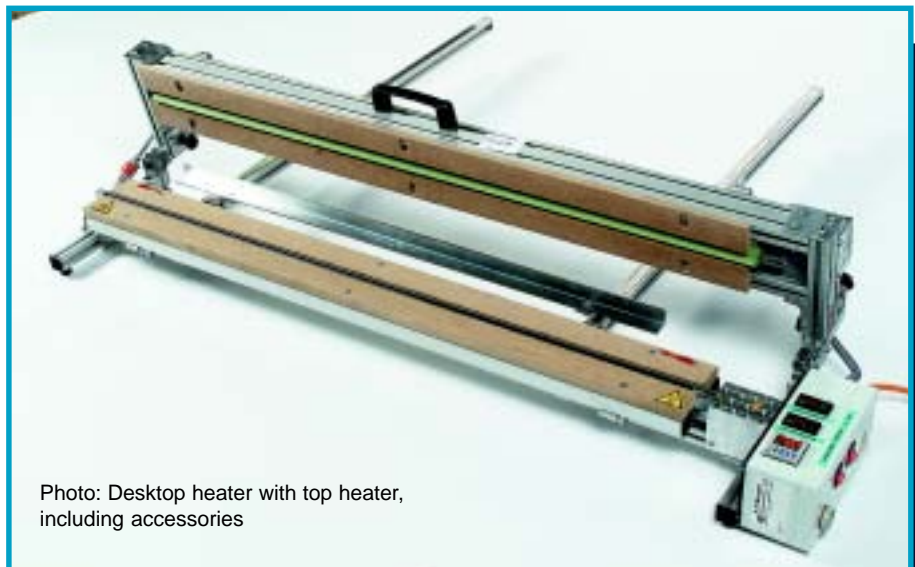


Photo: Desktop heater with top heater, including accessories

Desktop heating element with bottom and top heater		TG 100mO	TG 150mO	TG 200mO	TG 250mO	TG 300mO
Max. working width	mm	1000	1500	2000	2500	3000
Max. plate thickness	mm	12	12	12	12	12
Device width	mm	1400	1900	2400	2900	3400
Voltage supply	V	230	230	230	230	230
Connected load	kW	1,4	2,0	2,2	3,0	3,2
Device weight	kg	22	28	34	40	46

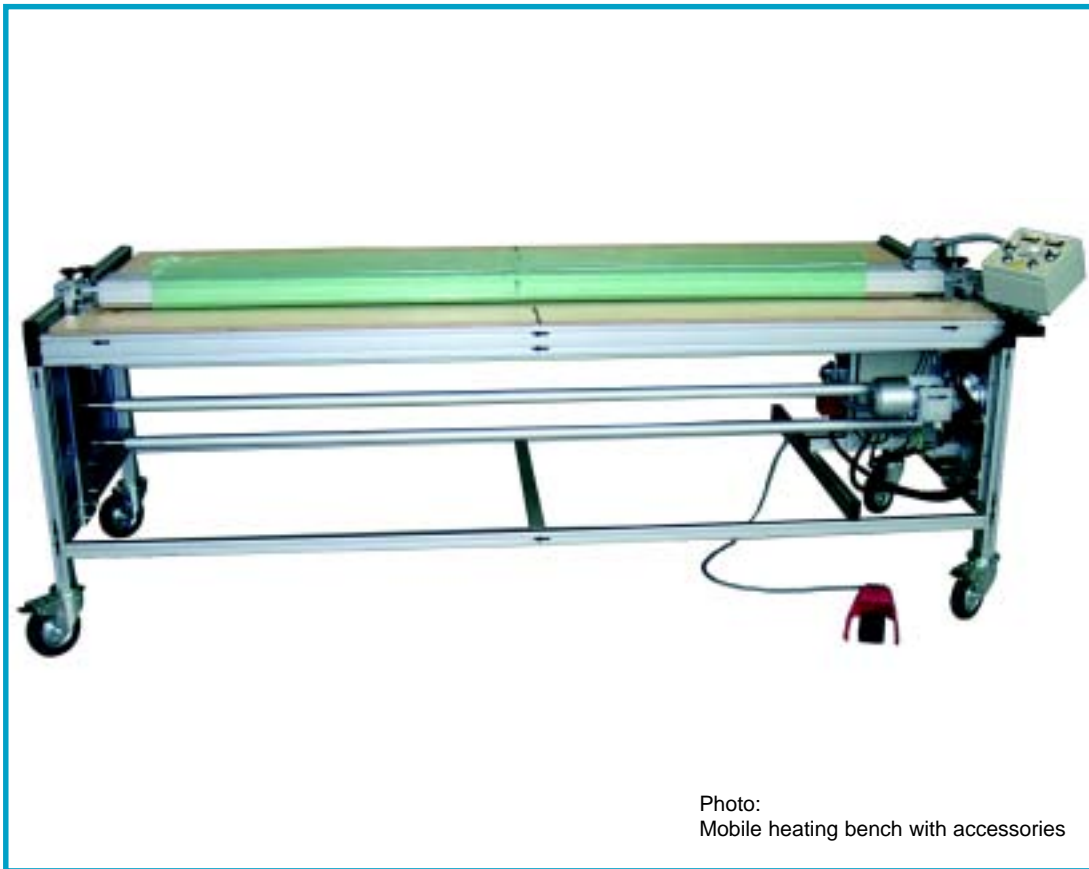


Photo:
Mobile heating bench with accessories

Mobile heating bench		HBR 100	HBR 150	HBR 200	HBR 250	HBR 300
Max. working width	mm	1000	1500	2000	2500	3000
Max. plate thickness	mm	20	20	20	20	20
Machine width	mm	1700	2200	2700	3200	3700
Machine length	mm	800	800	800	800	800
Machine height	mm	750	750	750	750	750
Height of working table	mm	500	500	500	500	500
Voltage supply	V	400	400	400	400	400
Connected load	kW	1,4	2,0	2,2	3,2	4,0
Machine weight	kg	90	100	120	130	150

Machine modules

- **Basic model** comprising of:
 - height-adjustable device for bottom heater
 - adjustable heating width
 - digital thermostat for bottom and top heater
 - digital time switch for process control with audible signal
 - hoisting motor for height adjustment of the top heater, including foot switch
 - Carriage
 - Bench extension for increasing the working surface
- **Single bottom heating element**
- **Single top heating element**
- **Double bottom heating element**
- **Double top heating element**
- **Heating blade for contact heating of PE and PP**

The modular structure of the heating benches enables the user to configure a machine that is best suited for his purpose and ensures maximum utilization.

To enlarge the heating surface for bending large radii the machine can be converted quickly and easily.

Replacing the top heater by a heating blade for fold-welding of PE and PP sheets also requires minimal effort.



A perfect modular system

With the wide range of available accessories, all thermoplastic materials (such as PVC, PC, PMMA, PA, PS, PE and PP) up to a material thickness of 20 mm can be heated and subsequently bent using the newly developed folding table or folding bench.



Heating blade

Teflon-pad heating blade for contact heating of PE and PP sheets with a material thickness of up to 20 mm and a working width of 3000 mm.

Height adjustment

This standard equipment is used to extend the heating zone for bending radii of up to 30 mm.



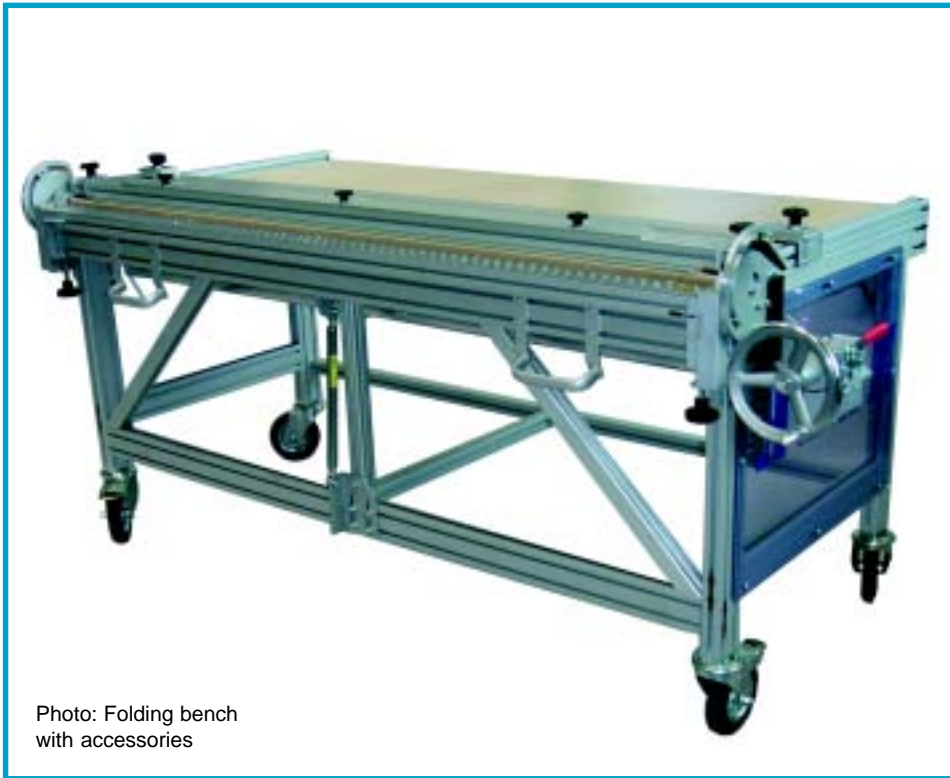


Photo: Folding bench with accessories

Mobile folding bench		AB 100	AB 150	AB 200	AB 250	AB 300
Max. working width	mm	1000	1500	2000	2500	3000
Max. plate thickness	mm	20	20	20	20	20
Machine width	mm	1850	2350	2850	3350	3850
Machine depth	mm	800	800	800	800	800
Machine height	mm	1100	1100	1100	1100	1100
Height of working table	mm	940	940	940	940	940
Machine weight	kg	90	100	120	130	150

The **mobile folding bench** has been developed for applications in the field of tank construction for folding PE or PP plates. But it is also suitable for edging thermoplastic materials like PVC, PMMA, PC, PS.

The specially designed holding clamp allows it to fold even tubular sections and to take them subsequently from the machine by opening the holding clamp from the side (see figure). The overall design of the machine allows the fabrication of reproducible angles up to 120° and radii up to 30 mm. This ensures high flexibility and versatile application.





HBR-K series combined machines

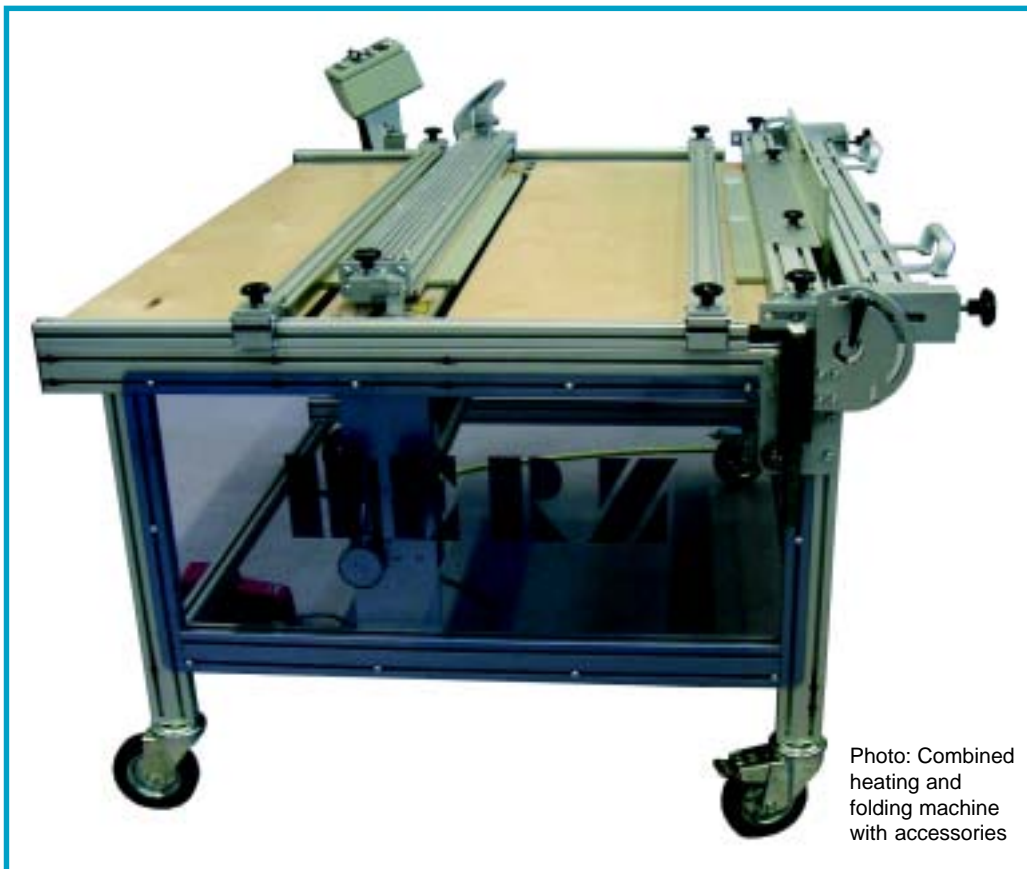


Photo: Combined heating and folding machine with accessories

Mobile heating table	HBR 100 K	HBR 150 K	HBR 200 K	HBR 250 K	HBR 300 K
Max. working width mm	1000	1500	2000	2500	3000
Max. sheet thickness mm	20	20	20	20	20
Machine width mm	1700	2200	2700	3200	3700
Machine length mm	1200	1200	1200	1200	1200
Machine height mm	750	750	750	750	750
height of work table mm	500	500	500	500	500
Voltage supply V	400	400	400	400	400
Connected load kW	1,4	2,0	2,2	3,2	4,0
Machine weight kg	110	120	140	150	170

Machine modules

- **Basic module** comprising of:
 - height adjustable device for bottom heater
 - adjustable heating width
 - digital thermostat for bottom and top heater
 - digital time switch for processcontrol with audible signal
 - hosting motor for adjustment of top heater incl. foot switch
 - folding device for folding sheets up to an angle of 130° and a maximum radius of 30mm
- **Single bottom heating element**
- **Single top heating element**
- **Double bottom heating element**
- **Double top heating element**
- **Heating blade for contact heating of PE and PP**

Machines of the construction series **HBR-K** are combined heating and folding machines. Thanks to their compact design they are very place-saving. However, the operator can perform all application possibilities as with the classic machines HBR and AB.



Photo: Multiple heating table with accessories

Multiple heating table		MHT 100	MHT 150	MHT 200	MHT 250	MHT 300
Max. working width	mm	1000	1500	2000	2500	3000
Machine width	mm	1900	2400	2900	3500	3900
Machine depth	mm	2200	2200	2350	2350	2350
Working height	mm	920	920	920	920	920
Voltage supply	V	400	400	400	400	400
Connected load	kW	1,4	2,0	2,2	3,2	4,0
Machine weight	kg	290	350	450	500	600

The **multiple heating table** has been designed especially for simultaneous heating of two or more folds.

As is the case with the other machines produced by us, in this machine each heater is also controlled by a separate digital thermostat which ensures precise control of the individual heating zones.

The heating time is set by an integrated time switch which opens the machine automatically and triggers an audible signal when the preset heating time is over.





MBT series multiple bending tables



Photo:
Multiple bending
tables

Mobile multiple bending table		MBT 100	MBT 150	MBT 200
Max. working width	mm	1000	1500	2000
Max. sheet thickness	mm	12	12	12
Machine width	mm	1600	2100	2600
Machine length	mm	1100	1100	1100
Machine height	mm	650	650	650
height of work table	mm	500	500	500
Machine weight	kg	90	100	120

The **mobile multiple bending table** especially excels with its easy and logical handling.

It can be used to bend components of PVC, PMMA, PC, PA and of other thermoplastic materials after heating them up in a repeatable maximum angle of 140° or radiuses of up to 40mm.

This machine can especially be used for the production of:

- covers of all kind, e.g. for instruments, showcases and apparatuses used in the electric and chemical industries
- ventilation facilities, e.g. ventilation ducts
- components for furniture industry, e.g. side table of PMMA
- lamps, covers and accessories or other brochure stands used in the advertising industry





Photo:
bending jig

Bending jig		BS 100
Max. working width	mm	1200
Max. working depth	mm	1000
Hight of work table	mm	930
Machine weight	kg	90

other machine by inquiry



The **bending jig** helps you to easily and quickly produce different U-shaped profiles. Adjustable bending stopper allow to continuously variably set sides between 25° and 135°. A processing mechanism allows to universally adjust internal sizes of the U-shaped profiles up to a maximum of 1000mm.

That allows to avoid time-consuming and cost-intensive adjustment of the jig.



Mini polishing machine

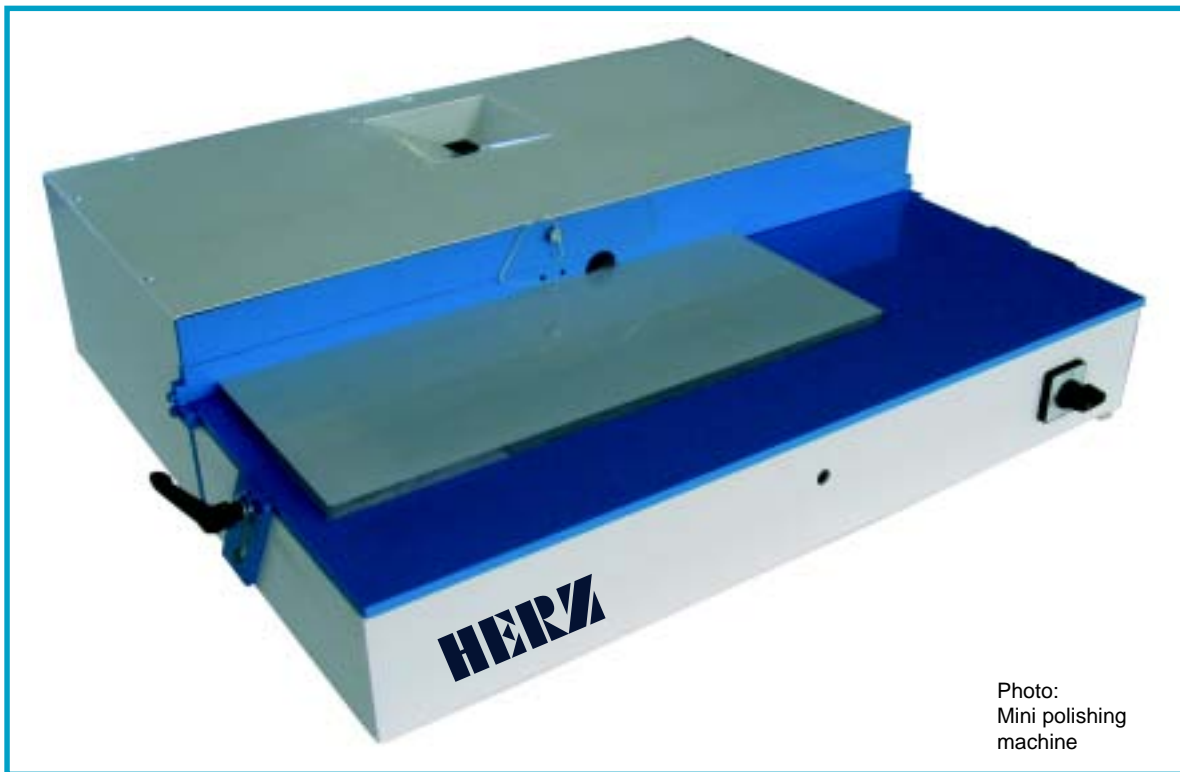
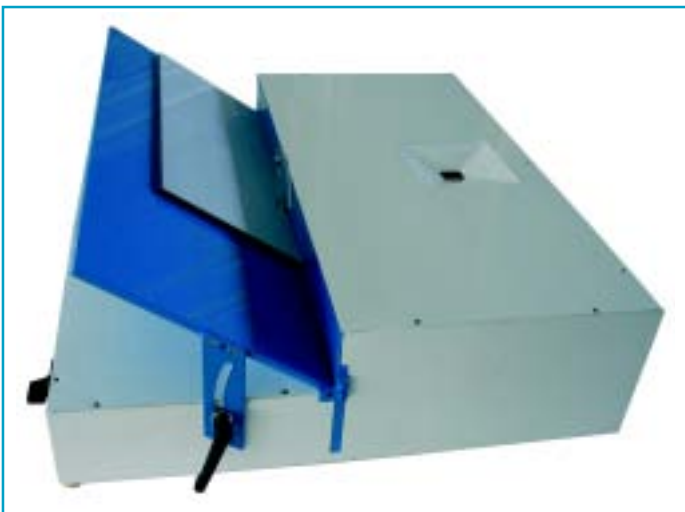


Photo:
Mini polishing
machine

Mini polishing machine		MPM
Max. plate thickness	mm	25
hinged table	°	45
RPM	min ⁻¹	8000-26000
Connected load	W	900

other machine
by inquiry



The **mini polishing machine** can be used to quickly and easily mirror-finish cutting and facing surfaces of PMMA, PVC, PET-G and of other thermoplastic materials.

The sheet is manually directed along the diamond studded polishing head. The adjustable table allows the machining of edges with an angle of up to 45°.

Polishing machines for larger sheets are available on request.

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