



BIAX

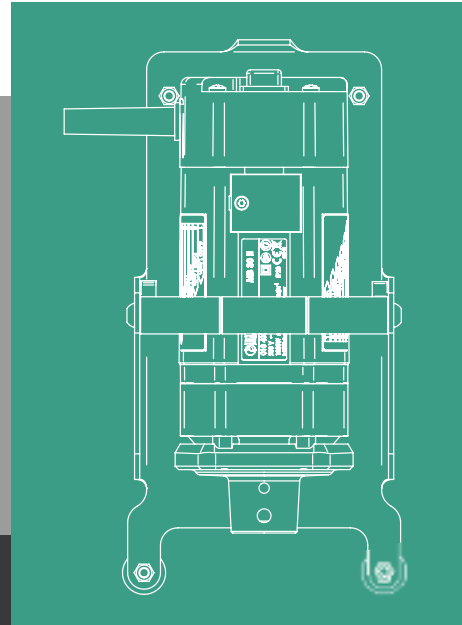
Professional Power

Our new programme

MACHINES WITH A FLEXIBLE SHAFT

The power packs for every application

resistant – consistent – approved



Made in Germany



MB 30 E



MB 20/3



MB 50



The fast, compact machine for precision work

The new MB 20/3

Building on over 25 years of proven and highly successful previous models, the MB 20/3 represents an attractive advance development and brings real added value to the market.

This model is particularly suitable for use in mould manufacture, precision tooling and precision engineering.

It is characterized by its very favourable purchase and maintenance costs.

The best MB20 that we have ever had. What's new?

- Higher speed of up to 34,000 rpm for finer, more precise work.
- The motor is protected from overloading by an automatic cut-out.
- Restart protection provides a high degree of safety.
- Prolonged motor life through optimum dust protection.
- Now even more compact and around 0.3 kg lighter thanks to a new handle

Inexpensive to purchase and maintain.

Safe to operate.

- Cost-effective universal motor in a sturdy plastic shell.
- Automatic cut-out if wear occurs to the carbon brushes
- Soft start.
- Degree of protection: IP 20, Protection class: II

Specifically designed for versatile use in mould making.

- Constant speed under load.
- Uses various quick-change hand pieces for milling, grinding, polishing, brushing and filing.
- The machine can be operated standing upright or suspended from a hook.

Quick-change handpieces for MB 20/3 and MB 30 E



Straight handpiece

KGS 27 – 020017610



45° angle

W627-45 – 020000615



90° angle

W627 – 020000610

Designation	MB 20/3
Speed [rpm]	continuous from 13,000 to 34,000
Power consumption/ output [watts]	710/430
Weight [kg] without shaft and handpiece	2,6
Voltage [V/Hz]	230/50-60
Connection	square
Matching shafts	HW 27 (030 097 100), 6 mm bore, 1.5 m length



MB 20/3



Touching-up welds



Removal of residue



Levelling milling grooves



Deburring

The powerful all-rounder

Die neue MB 30 E

Milling, grinding, brushing, polishing, filing – and all with a single device!

This super-strong Multi-BIAX provides the best results for a variety of applications.

Besides its very low maintenance costs, the machine is also characterized by a high level of comfort and safety.

This all-rounder is suitable for use in almost all sectors of industry.

The best results are achieved through digital sensorless control electronics. This ensures:

- Consistently high torque at any speed between 5,000 and 15,000 rev/min.
- Constant speeds at different loads.
- Retrieval of power reserves: at maximum load a remarkable peak power of 1.5 kW. Above this the machine is shut down by the overload protection.
- No pulsation in the low speed range.
- Work results in smoother surfaces.

Low maintenance costs and no unnecessary downtime

- The motor is protected from overloading by an automatic cut-out.
- Automatic cut-out if wear occurs to the carbon brushes.
- Less mechanical wear parts because there are no gears.
- Fully encapsulated sensorless electronics cannot be clogged with metallic particles.
- Electrical surge protection prevents current peaks and protects the motor.

Delivers the highest attainable degree of occupational safety and comfort.

- At only 75 dB (A) (according to EN 60745) is significantly quieter than comparable machines. In numerous applications this eliminates the need for hearing protection.
- Extremely low weight for this performance class, significantly increasing mobility.
- Uses various quick-change hand pieces for milling, grinding, polishing, brushing and filing.
- The machine can be operated standing upright or suspended from a hook.
- Soft start.
- Degree of protection: IP 20, Protection class: II

Quick-change handpieces for MB 20/3 and MB 30 E



Belt grinder

HB1527 – 020014810



File

FR5-827 – 020000730

Designation	MB 30 E
Speed [rpm]	continuous from 5,000 to 15,000
Power consumption/ output [watts]	1.300/900
Weight [kg] without shaft and handpiece	5,2
Voltage [V/Hz]	230/50
Connection	M10 x 30 threaded connection
Matching shafts*	DV 6 (032004200-1), 6 mm bore, 1.5 m length



MB 30 E on a table-stand



Milling



Grinding



Brushing



Polishing



MB 50

Our largest machine for tough applications **The new MB 50**

Designed for moderate to severe grinding and milling in tool and mould making, deburring, fettling and brushing work in foundries, container and steel construction, and for mechanical workshops.

The lightest and most compact machine in its class for the most difficult applications.

- Unbeatable power to weight ratio with 1.9 kW at 21.7 kg.
- Ultra-strong asynchronous motor ("continuous runner") with maximum efficiency.
- Indestructible, absolutely maintenance free, virtually no wear.
- Particularly suitable for a large tool diameter.
- Ideal for working large surfaces.
- Motor overload protection.
- Constant speed under load.

Convenience and safety features.

- A multitude of possible combinations of shafts and handpieces.
- The machine may be operated free standing, on a table stand or on a travelling column.
- Restart protection.
- Soft start.
- Degree of protection: IP 54, Protection class: I



Surface grinding



Deburring



Smoothing weld seams 1



Smoothing weld seams 2

Quick-change handpieces for MB 50



Straight handpiece

KGE 31 – 020001300



45° angle

W618-45 – 020000605



90° angle

W 618 – 020000600



90° angle handpiece 300 mm

W 618 L 300 – 020012200

Designation	MB 50
Speed [rpm]	continuous from 900 to 15,000
Power consumption/ output [watts]	1.900/1.500
Weight [kg] without shaft and handpiece	21,7 kg
Voltage [V/Hz]	230/50-60
Connection	M10 x 30 threaded connection
Matching shafts*	DK 7 (032001000), 7 mm bore, 1,5 m length DK 10 (030002201), 10 mm bore, 1,5 m length DK 12 (030002401), 12 mm bore, 2 m length

*further shafts, handpieces and accessories on request



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