

To the point

Pneumatic tools from a single source



Flexible automation Spindles, built-in motors

Pneumatic spindles

- 15 000–100 000 min⁻¹
- For deburring, grinding and polishing
- For installation in transfer lines, machine tools and robot cells

Pneumatic built-in motors

- 160–20 000 min⁻¹
- For brushing, drilling and chamfering
- For installation in transfer lines, machine tools and robot cells

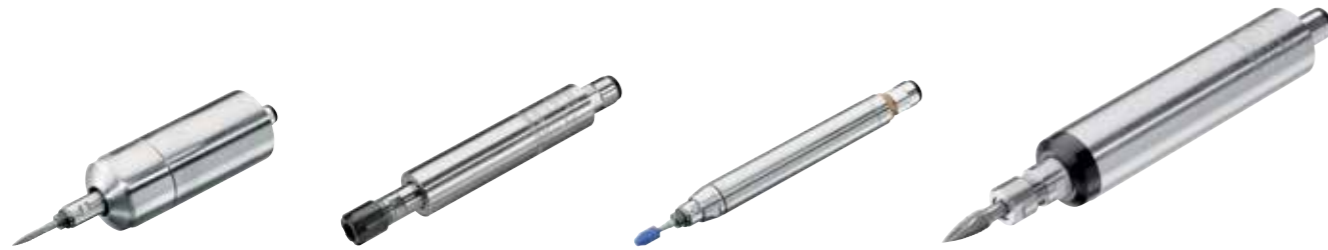
Robot spindles

- Radial oder axial deflection
- For deburring, brushing, filing or chamfering
- With sensors for path recognition
- For installation in robot deburring cells



With radial deflection

For CNC machines



For deburring, grinding and polishing



For installation in transfer lines, machine tools and robot cells



For brushing

For drilling

For chamfering



With axial deflection

With quick change chuck

Radial one axis compensation with position sensor

Pneumatic motors

- From 0.13–4.4 kW
- More than 700 standard solutions, 2500 possible variations
- Non-lubrication design for all models (use with oil possible)
- Resistant to stalling, reversible
- Clockwise / counter clockwise running
- Stainless steel versions
- Large variety of air supply and shaft versions
- Available with ATEX certificate

Special solutions to meet your requirements exactly.

Broad range, individual solutions Air motors



With speed sensors for process monitoring

Optional

- The quick change system for tools:
Your motor solution
+ quick change chuck
+ ER 16 collet holders



Automatic tool change

Example: quick change chuck



Example: cylindrical

Example: flange

Example: 3/8" thread

Example: brake motor



High torque

High torque

Example: gear drive

Example: holding brake

Example: flange

Customized special solution

Metal processing Grinding machines, turbine grinders

- 01 Pneumatic grinders**
 - 30 000–80 000 min⁻¹
 - For light deburring work
- 02 Pneumatic grinders**
 - 12 000–28 000 min⁻¹
 - For fettling work
- 03 Pneumatic turbine grinders**
 - 65 000–100 000 min⁻¹
 - Especially for die and mould industry



G 804 D 01



GTV 1000



GTK 652 D

03



G 551 D



G 352 H

01



GL 200 H



GL 20000 H



G 16000 H



G 201 H

02

- 04 Pneumatic angle grinders**
 - 12 000–20 000 min⁻¹
 - For use with carbide rotary burrs, mounted points, elastic grinding wheels with fibre discs, scrubbing and cutting wheels
- 05 Einhand-Exzentrerschleifer**
 - 12 000 min⁻¹
 - Extremely reliable in tough applications
 - Without suction
 - Two oscillating circuits: 2.5 and 5 mm swing
 - Velecro disc 125 and 150 mm
- 06 Pneumatic belt grinders**
 - 20 000 min⁻¹
 - Abrasive belt size 330 × 8 and 330 × 15 mm
 - Automatic belt tension with telescopic arm
- 07 Pneumatic filing machines**
 - 8 000–9 000 min⁻¹ strokes
 - For deburring work
 - Vibration level 2 m/s²
- 08 Pneumatic engraving pen**
 - 540 Hz
 - For quick engraving and marking work



MDWS 4 200 04



GW 218 HV



GW 216 H



GW 121 H

04



MDEXZ

05



GB 815 H

06



FRV 110



FRV 60 B

07



GST 540

08

Metal processing Grinders, filing machines

Percussive Hammers, rammers



MD 180



MD 070

01



GNV 19

02



SHV 150

03

- 01 Pneumatic chisel hammers**
→ 0.71–21.1 kg
→ Noise and vibration controlled
- 02 Pneumatic needle scalers**
→ Straight and pistol type
→ For removal of rust, cleaning,
separating slag and trimming
- 03 Pneumatic scalers**
→ Vibration 2 m/s²
→ For slag chipping and trimming
of concrete

Drilling and cutting Drills, tapping machines



BS 502



BSW 506

01



GE 8-500 P

02



D 6-501 P

03

- 01 Druckluft-Bohrsenker**
→ 500–900 min⁻¹, straight, pistol
and angle type versions, infinitely
variable speed
→ For drill hole chamfering
- 02 Pneumatic tapping machines**
→ 500–900 min⁻¹
→ Cutting steel up to M 14
- 03 Druckluft-Bohrmaschinen**
→ 600–6 000 min⁻¹, straight and pistol grip
→ Drilling capacity 4 to 13 mm in steel
→ Drills with morse taper

Assembly and measurement technology Assembly tools, torque meters



E 16 P3

01

- 01 Pneumatic impact wrenches**
→ Up to M110
→ For heavy duty work in all industrial
branches
- 02 Pneumatic hydropulse wrenches**
→ 6–450 Nm
→ Shut off and non shut off versions
- 03 Pneumatic screwdrivers**
→ 0.6–60 Nm
→ Straight, pistol and angle type versions
→ With slip clutch or automatic shut off
- 04 Electric screwdrivers**
→ 0.05–9 Nm
→ Straight and pistol type versions
- 05 Torque measurement equipment**
→ Quality control in production
and assembly: precise measurement,
recording and analysing data



RRI 50 AT



RRI 30 ST

02



MDS 1203



E 36 P2

01



A 5-653 UAPS



AW 10-352 UA



A 4-902 UAS

03



CESL

04



KTM 150

05

The complete power spectrum



- Precision industrial tools for flexible automation
- Deburring solutions for robot applications
- Air motors
- Precision industrial tools for metal processing
- Percussive tools
- Drilling and cutting systems
- Assembly tools, torque meters
- Customized special solutions

We are always present for you

For more than 100 years, MANNESMANN DEMAG has stood for tradition and innovation at the service of pneumatic technology. State-of-the-art industrial tools, motors, measuring systems and fastening systems have been produced in Stuttgart now for more than 25 years—a reliable location with great prospects.

The Swabian precision of the MANNESMANN DEMAG machines is mean-while in demand by large companies all over the world; a global dealer network with regional know-how is responsible for punctual sales and just-in-time deliveries of spare parts.

The story of success continues in our central facility too. Conception, planning, design, production, quality control, service and consulting—MANNESMANN DEMAG continues to offer you everything from one source! We will be glad to advise you which individual solution meets your needs.

**MANNESMANN
DEMAG**

Druckluftwerkzeuge | Druckluftmotoren



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