

# PRECISION TECHNOLOGY

**FOR INDUSTRY AND CRAFTS** 



#### FOR EFFECTIVE WORK



#### Intelligent control electronics

The IQ3 from Schick is the new powerful yet compact control unit for all Schick handpieces and spindles. Equipped with three motor connections, the IQ3 control unit supports stepless speed control and stores the set maximum speeds for each connection individually.

#### Optimum performance

A low starting speed of only 200 rpm when using the dynamic foot control and maximum speeds of up to 100,000 rpm (when using MT 100) enable applications for which a wide variety of devices were previously required. The peak power of 370 watts allows the most demanding materials to be machined. If the MT S/MT S Slim handpiece is used with the IQ3 control unit, the motor can be started directly via a switch.

#### Versatile and reliable

The bright OLED display clearly shows all important parameters and is easy to read from all angles. Additional functions such as clockwise/anticlockwise rotation can be conveniently activated via direct selection keys. Inputs such as motor selection or changing the direction of rotation are acknowledged by a short vibration of the handpiece.

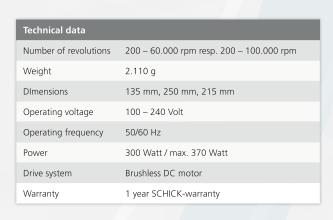
#### Your benefits

- ▶ High power of up to 370 watts and 100,000 rpm (when using MT 100)
- ▶ Three connections for handpieces and spindles
- ▶ Intelligent connection monitoring
- ▶ Perfectly readable display

## **OPTIMUM POWER**

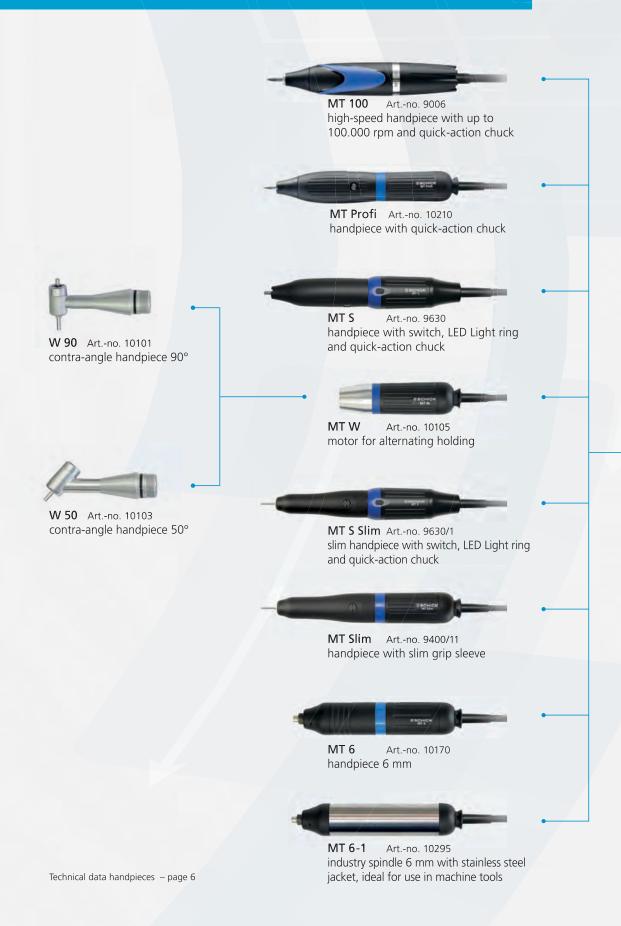


IQ3 control unit Art.-no. 10700





### LEADING-EDGE TECHNOLOGY



### POWERFUL, ROBUST, PRECISE

## The new control unit for several SCHICK spindles





foot switch (on/off) (optional) Art.-no. 6370/2



dynamic foot control (optional) Art.-no. 9440

#### **CUSTOMER-SPEZIFIC SOLUTIONS**

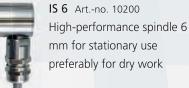
## High-performance spindles

#### For stationary applications

The industrial drilling and milling spindle IS 6 with 6 mm chuck was particularly developed for special applications for stationary use in automatic lathes, machining centres or milling machines.

Highest precision and pulling power at 40,000 rpm are no problem for the high-performance spindles from Schick.

Video IS 6 at: www.schick-industrie.de/is6



IS 6-1 Art.-no. 10200/1 High-performance spindle 6 mm with sealing air connection for stationary use by application of cooling lubricant



#### Technical data handpieces and spindles







	MT 100	MT S / MT S Slim	MT Profi / MT Slim
Diameter	Max. 29 mm	Max. 31 mm	Max. 30 mm
Length	138 mm	177 mm / 175 mm	158 mm / 158 mm
Weight with cable	330 g	400 g / 380 g	380 g / 360 g
Drive system	Brushless DC-Motor	Brushless DC-Motor	Brushless DC-Motor
Highest number of revolutions	100.000 rpm	60.000 rpm	60.000 rpm
Concentricity	< 0,02 mm	< 0,02 mm	< 0,02 mm
Chucks	Ø 3,00 mm (Standard) Ø 2,35 mm (Optional)	Ø 3,00 mm (Standard) Ø 1,60 mm/2,35 mm/3,175 mm (Optional)	Ø 3,00 mm (Standard) Ø 1,60 mm/2,35 mm/3,175 mm (Optional)
Tool change	Quick release	Quick release	Quick release







	MT W	MT 6 / MT 6-1	IS6 / IS 6-1
Diameter	Max. 28 mm	Max. 28 mm	Max. 28 mm
Length	110 mm	142 mm / 142 mm	115 mm / 115 mm
Weight with cable	220 g	360 g / 440 g	590 g / 570 g
Drive system	Brushless DC-Motor	Brushless DC-Motor	Brushless DC-Motor
Highest number of revolutions	30.000 rpm	40.000 rpm	40.000 rpm
Concentricity		< 0,03 mm	< 0,03 mm
Chucks		Ø 6,00 mm	Ø 6,00 mm

#### FLEXIBLE AND MOBILE

## MT A

#### Mobile and independent working

The battery handpiece MT A from Schick is the ideal universal tool for deburring, milling and polishing if mobility and independence from the mains are required.

#### Powerfull

The high power of 5.5 Ncm at 30.000 rpm enables easy machining of all materials and covers almost all application areas. The comfortable quick release makes simple and fast tool changes possible.

#### Your benefits

- ▶ Highest precision and concentricity properties
- Quick release for simple tool changes
- Battery capacity display
- ▶ Can be switched between right- and left-hand motion
- Optional connecting cable for separation of battery and handpiece

Technical data	
Number of revolutions	3.000 – 30.000 1/min
Weight battery / handpiece	250 g / 194 g
Dimensions battery handpiece	71 mm, 125 mm, 43 mm
Capacity	3.500 mAh
Torque	5,5 Ncm
Operating voltage charging station	90 – 264 Volt
Battery voltage	10,8 Volt
Operating frequency	50/60 Hz
Drive system	Brushless DC-Motor
Warranty	1 year SCHICK-warranty
Overload protection	Electronic



#### Flexible

The battery handpiece MT A offers the option of separating the battery from the handpiece and connecting both with a cable (Art.-no. 9604).

A tool belt (Art.-no. 9654), that provides space for the control unit with integrated battery and connecting cable, ensures maximum freedom of movement.



connecting cable Art.-no. 9604



tool belt Art.-no. 9654

#### PERFECT ILLUMINATION AND PROTECTION

## ■ Protect TS

#### Powerful light, perfect protection

The LED illuminated Schick protective glass offers a unique combination of modern, energy saving workplace illumination and a protective glass made of ESG safety glass.

Equipped with highly efficient LEDs, L Protect provides perfect illumination of the workplace without disturbing shadows and guarantees a maximum of safety at work. With an illuminance of 2500 Lux (brighter than two 60 W light bulbs) and a consumption of 8 Watt, L Protect is an economical alternative or supplement to conventional illumination systems.



Technical data		
2500 Lux		
6000 K		
Daylight white		
100 – 240 Volt		
50/60 Hz		
8 Watt		
12 Volt		
1 year SCHICK-warranty		

Illumination frame		
Height	240 mm	
Width	190 mm	
Protective glass pane		
Height	205 mm	
Width	160 mm	
Thickness	4 mm	
Single safety glass pane acc. to DIN EN 12150-1		

#### MAXIMUM FLEXIBILITY

## L Protect SH

## Unique LED illuminated protective glass with flexible arm

The sturdy and bendable arm allows flexible positioning of the protective glass in any direction. Different mounting systems enable an easy installation on any machine and every workplace.





#### Magnifying glass

Art.-no. 4430 Scope of delivery: lens, bracket, two suction cups

#### **Magnifying Glass**

#### **Excellent sharpness**

In combination with Schick's L Protect illuminated frame, the high-quality magnifying glass with its threefold magnification is the ideal solution for precision work.

Technical data		
Diameter	75 mm	
Dimensions	140 mm, 83 mm, 17 mm	
Weight	50 g	
Magnification	threefold	

#### **EVERYTHING FROM A SINGLE SOURCE**

## Contract manufacturing

## SCHICK IS NOT ONLY A MANUFACTURER OF PRECISION EQUIPMENT, BUT ALSO OFFERS INDIVIDUAL SOLUTIONS IN THE FIELD OF CONTRACT MANUFACTURING.

#### Complex precision parts - individually manufactured

Schick supplies high-precision turned and milled parts for a wide range of industries – also with transverse and reverse side machining. Manufactured on state-of-the-art CNC, turning, milling and machining centres. Benefit from first-class quality, adherence to delivery dates and an excellent price-performance ratio.

#### Ready-to-install assemblies - competently assembled

Whether mechanical or electrical assemblies: We assemble your components, make solder and crimp connections according to the specifications and reliably test the function. Take advantage of the experience of our qualified employees from the production of high-quality precision equipment.



## BYSCHICK BYSCHICK

PRECISION TECHNOLOGY FOR INDUSTRY AND CRAFTS

#### YOUR BENEFITS WITH SCHICK:

- Personal contact
- ▶ In-house service workshop
- Completely Made in Germany
- Worldwide sales and service network





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