

Thread-cutting machines

GEWINDEQUICK

Torque-controlled thread production



- » *high-precision threads*
- » *fast and flexible*
- » *simple operation*
- » *avoids tool breakage*
- » *thread sizes from M 0.5 to M 10*

GQ-4
GQ-6
GQ-10

GEWINDEQUICK

Fields of application

Tapping of male and female threads, both for thread cutting and for thread forming. Can be used flexibly as a bench-top machine, both for single item production and in series production.

Thread cutting with the GEWINDEQUICK

The *GEWINDEQUICK* is ready for use in no time at all. After entering the torque, speed and desired thread depth, you can cut threads of any type – including fine threads or UNC/UNF threads.

The tap pulls itself into the workpiece to be machined. This is made possible by a weight balancing system, which holds the drive spindle as if in a state of suspense during machining.

The depth of the tool is continuously monitored by a measuring system and guaranteed to a precision of 0.1 mm.

The powerful processors constantly measure the torque and, if the torque is exceeded, the cutting process is stopped within fractions of a second. This prevents drill breakages even with the smallest threads of M 0.8.

The *GEWINDEQUICK'S* drive unit is a synchronous servo motor that guarantees smooth running over a wide speed range. Thread cutting doesn't get more precise than this.

- **Electronic torque-controlled**
avoids tool breakage and high reject costs
- **Simple Operation**
threads can be manufactured in a very short time
- **Compact tabletop machine**
cost-effective and flexible





Technical specifications

	GQ-4	GQ-6	GQ-10
Thread sizes	M 0.5 – M 4	M 0.8 – M 6	M 2 – M 10
Torque range	0.03 – 0.80 Nm (infinitely variable)	0.1 – 2.5 Nm (infinitely variable)	0.3 – 8.4 Nm (infinitely variable)
Speeds	50 – 3.000 U/min (infinitely variable)	100 – 3.000 U/min (infinitely variable)	100 – 2.400 U/min (infinitely variable)
Mains- / power consumption	230 V / 620 W	230 V / 620 W	230 V / 620 W
Safety regulations	CE-/EMC-compliant IP 54	CE-/EMC-compliant IP 54	CE-/EMC-compliant IP 54
Tool holder	Collet chuck holder ER11	Quick-change system B10 / Gr. 0 quick-change chuck	Quick-change system B12 / Gr. 1 quick-change chuck
Spindle stroke / thread depth	60 mm / 50 mm	85 mm / 75 mm	85 mm / 75 mm
Height adjustment / swivelling range	Manual with hand crank / ± 90°	Manual with hand crank / ± 90°	Manual with hand crank / ± 90°
Overhang (spindle-column spacing)	230 mm	230 mm	250 mm
Distance tool holder – machine table	0 – 300 mm	0 – 300 mm	0 – 300 mm
Table size / clamping surface	375 x 280 mm / 200 x 200 mm	375 x 280 mm / 200 x 200 mm	375 x 280 mm / 200 x 200 mm
Drive	Synchronous servo motor	Synchronous servo motor	Synchronous servo motor
Depth precision	0.1 mm	0.1 mm	0.1 mm
Display	4.3" colour display	4.3" colour display	4.3" colour display
Machine dimensions (W x D x H)	280 x 440 x 690 mm	280 x 440 x 690 mm	280 x 440 x 690 mm
Control unit dimensions (W x D x H)	400 x 300 x 120 mm	400 x 300 x 120 mm	400 x 300 x 120 mm
Machine weight	53 kg	54 kg	56 kg

Other features

- » Torque monitoring with actual value display
- » Machining programmes: Thread cutting, thread forming or thread trimming
- » Start with start button or automatically with zero point recognition
- » Drive can be switched from forward to backward rotation
- » Adjustable return speed of the tap
- » Optional mm/Inch display
- » Chip removal programmes
- » Programmable parameter settings
- » Menu languages German, English, French
- » Minimum torque value
- » Piece counter

Accessories

- » Minimum volume lubrication
- » Large machine table
- » Column extension
- » Key switch

dk precision technology – the tapping specialist

GEWINDEQUICK

At the start of the 1980s, we started production of torque-controlled thread-cutting machines. Within a short time, the NC-Gewindefix was a sales hit. In the mid-90s, it was replaced by the second generation. The menu guide was simplified and the technology modernised. A short time later, the one thousandth machine came off the production line. New markets in Asia, Africa and America were gained. With 30 years of experience and expertise, we are now launching the third generation.

Other dk product areas:

- » **Fixturing systems**
(fixturing systems for measurement technology)
- » **Measuring elements**
(measuring instruments, styli, dial gauge stands, etc.)
- » **Protective elements**
(protection netting and matting)
- » **Cleaning elements**
(taper cleaners)

We encourage interdisciplinary thinking and adopt a team philosophy. This is the only means by which synergies can be created between employees, competencies and product areas. A high standard of quality is our leitmotif in all that we do. We are certified according to DIN EN ISO 9001:2000. Each product must pass through our fully comprehensive QA system and will be delivered only after it has been tested successfully to our satisfaction. For us, the highest levels of customer service are a matter of course – we cater to our customers' wishes and requirements with the greatest of flexibility. Thus our experienced, creative and committed team is always by your side.

1982



1. Generation

1994



2. Generation

2012



3. Generation

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