



## TTT\_Tapping-Torque-Testsystem

Laboratory "screening- & analysis" measurement system

### Technical data

#### Measurement capacity labtap G8

Testbars-Material / Forming and Cutting

#### TTT\_Methodology

Spindle speed range RPM

Measurement depth depends on TTTmethods

Column with hand crank

Spindle/worktable distance max.

Width / depth / height

Mains voltage / power consumption

**ZAP** pneumatic "counter balance" feeding system

**MPT** controlled / accessed integrated smooth-slide manual X-Y-positioning table

Compliance to safety regulation

Parallel interface

Serial interface

TTT-Laboratory finish

Operation

Error messages

#### Machine-Software

### TTT\_Software WinPCA3

### Measurement-tool-holder system

#### Delivery and training

#### Packing

#### Conditions

Pricing €

Payment terms

Warranty

Delivery terms

Alterations

### TTTsystem

#### labtap G8 / ZAP / MPT / WinPCA3-SW

50 – 700 Ncm / M4F/S and Special thread measurement tools

Aluminium / Carbon and Stainless Steel / INOX / Titan grade 5

Recommended TTT-tools M4F (forming) and M4S (cutting)

300 - 3000 RPM / infinitely variable / from 470 Ncm max. 2060 RPM

6 – 8 – 12 mm

750 mm adjustable

0 - 400 mm distance

320 / 475 / 1290 mm

230 Volt / 50 - 60Hz / 2900 Watt

2 –5 bar / Hose 4/6 mm without service unit

250 x 600 mm with 8 mm T-nut incl. fixing equipment

with 2 special auto-start control functions for exactly handling and system-start for faultless measurements

CE / EMV conform

I/O parallel / galvanic isolated / PLC-compatible

RS232 (V24) 9600 Baud / galvanic isolated

RAL 1015 bright ivory

Menu driven / PC with WinPCA-software

Acoustic alarm / I/O / RS232 / display with error message

Language selector D/GB-E/F/NL/B/DK/S/I

Metric / Inch selector for tool-size and depth of measurement tableau

Ncm torque control setting / Mz min. – max. (torque-window)

Fast, normal and slow reverse speeds / Right or left-hand drive

Automatic start programs with position depth control & controlled fixing

Pneumatic feeding force FZ with start sensor

Program for lubricant control with pulse & time-flow (for MMS)

Program for measurement-tools (cutting / forming / special-tools)

Program for thread inserts & -sockets / Program for screw setting

Program for motor continuous running left/right

I/O port for automation / instep-stick / cylinder / 24V/DC

#### PC-Screening & analysis software for comparative value observation

with allocated storage of definable series of measurement plus an analyser for individual analysis including flexible differentiations of various single- and series of measurement results etc.pp.

Collet chuck incl. collet for TTT-tool / range 5-4 mm (SZS1)

On site 1-2 day training on request / recommended

Multiple special-boxes 450,00 €

[General delivery conditions](#) of microtap GmbH

Ex work, excl. packing, without sales tax

Payment in advance

24 months

Approx. 4-8 weeks after incoming order

Reservations

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