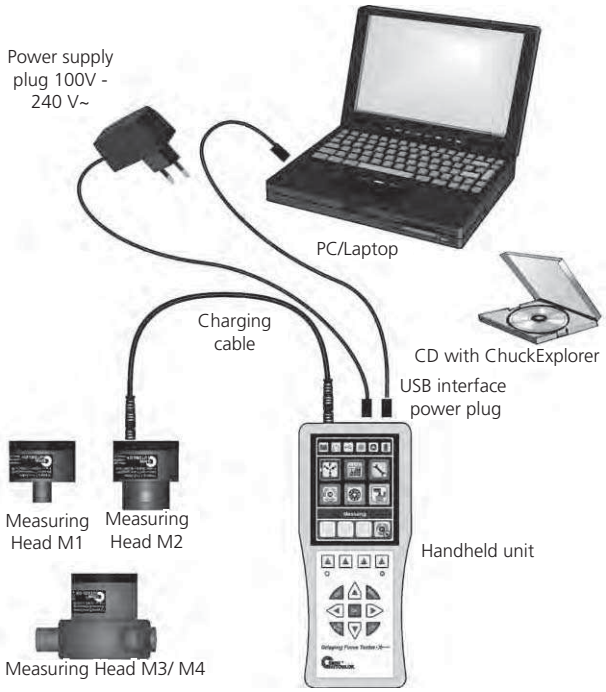
Gripping force tester GFT®-X

■ Technical data
■ Ordering review

Standard equipment with GFT-X:

Case with:
- Hand-held unit
- Measuring head M3 for jaw chucks with extensions and loading bracket
- Torx-key T15 and spare screws
- Bracket with magnet for measuring of speed
- Transformer Euro plug with 2 m cable
- Adapter for USA, UK and Southern Europe
- GFT®-X Software and manual on a CD
- USB cable
- Charging cable for measuring heads 1 m



Ordering data:

GFT®-X case incl. measuring head M3 Id. No. 201542

Option:

Measuring head M1	Id. No. 196193
Measuring head M2	Id. No. 196194
Measuring head M4	Id. No. 201825

Display software PC/ Laptop:

- The data transfer is via an USB interface.
- The software can be run under all standard windows systems.

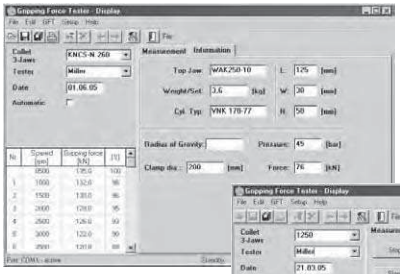
Input:

- Automatic measuring of the data (gripping force - speed)
- The number of measuring steps can be programmed free.

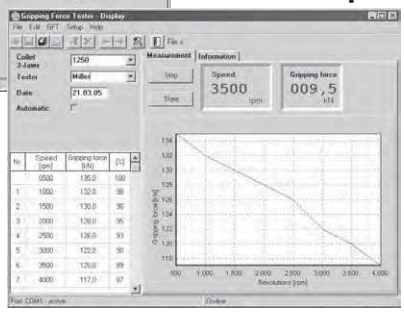
Output:

- Table speed/gripping force
- Diagram speed/gripping force

Input



Output



Technical data:

Reading unit	
Display/ Grip force F – speed	Display in kN/lbf - rpm
Data transfer	Radio 433,92 MHz
Power supply/ Transformer	100/ 240 V AC, 50 to 60 Hz
Distance hand held unit/ Measuring head	1-4 m (appr.)
Interface PC/ Laptop	USB 2.0
Operating temp.	0 to 40° (32°C-100 °F)
Protection class	IP 54
Dimensions	220 x 100 x 50 mm
Weight	460 g

Warning: Machine door must be closed while measuring head is rotating!

Measuring heads				
	Measuring head M1	Measuring head M2	Measuring head M3	Measuring head M4
Application	collet Ø 18	collet Ø 42	collet 2/3 jaws	
Clamping diameter	18 mm	42 mm	72 to 108 mm	72 to 108 mm
No. of jaws	3 x slotted	3 x slotted	2 or 3 jaws selectable	2 or 3 jaws selectable
Power supply	internal rechargeable capacitor			
Capacity of power supply	ca. 1.5 h at 50 % d.c.			
Data transfer	Radio 433,92 MHz			
Range/gripping force F max.	0 to 75 kN	0 to 120 kN	0 to 180 kN (2-Jaws) 0 to 270 kN (3-Jaws)	0 to 30 kN (2-Jaws) 0 to 45 kN (3-Jaws)
Speed rpm	<10.000 rpm	<8.000 rpm	<6.000 rpm	<6.000 rpm
Accuracy (F/rpm)	<5 %/<1 % fsr	<5 %/<1 % fsr	<3 %/<1 % fsr	<1,5 %/<1 % fsr