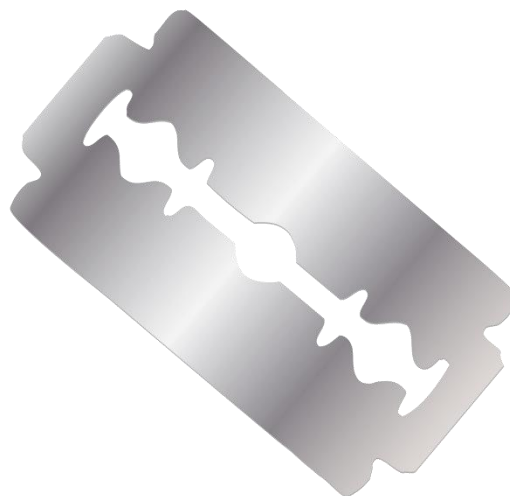


## Measurement of cutting force



- Measuring device for determining the cutting force of cutting blades
- Measuring principle: Force measure sensor  
movable in cutting direction with servo geared motor
- Manually operable under individual test conditions
- Automatic water wetting and feed of the cutting material from the storage cassette
- Quick change device for different blade types
- Comparative measurement from cut to cut, force-displacement diagram
- Special version also available as small table-top unit with manual operation and instantaneous force display (without data archiving)

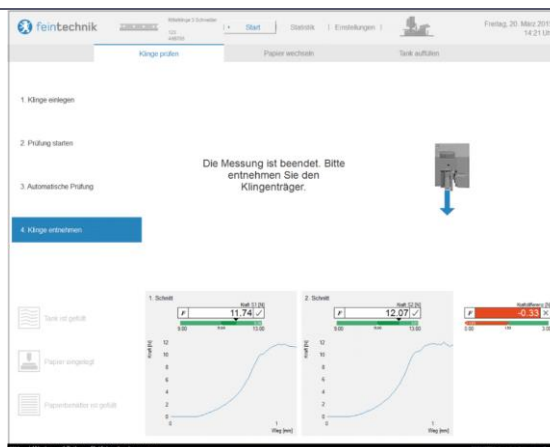


## Technical data

Test specimen	Cutting blades of different geometric shape
Blade width	5...150 mm
Cutting force	0...200 N
Measurement accuracy	0,05 N

### Measurement data processing and machine control

Hardware	IPC
Operating system	Windows
Measurement data software	premeSTAR®
Visualisation	Monitor
Storage	csv-file
Export	individual QA systems



Electrical characteristics	IEC	UL / CSA
Feed-in	230 V / 50 Hz / 16 A	120 V AC / 60 Hz /
Control voltage	24 V DC	24 V DC
Connected load	500 W	500 W

Compressed air connection	6 bar
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### Airborne sound emission

Maximum sound pressure level	<83 dB(A)
Equivalent continuous sound level	<75 dB(A)

### Machine dimensions

Width	1,7 m
Depth	1,0 m
Height	1,9 m
Weight	250 kg