

Twiner - 2 Axis Horizontal Measuring Machine

Twiner is a universal instrument for the measurement of cylinder-shaped parts, which replaces a great number of conventional instruments in the workshop.

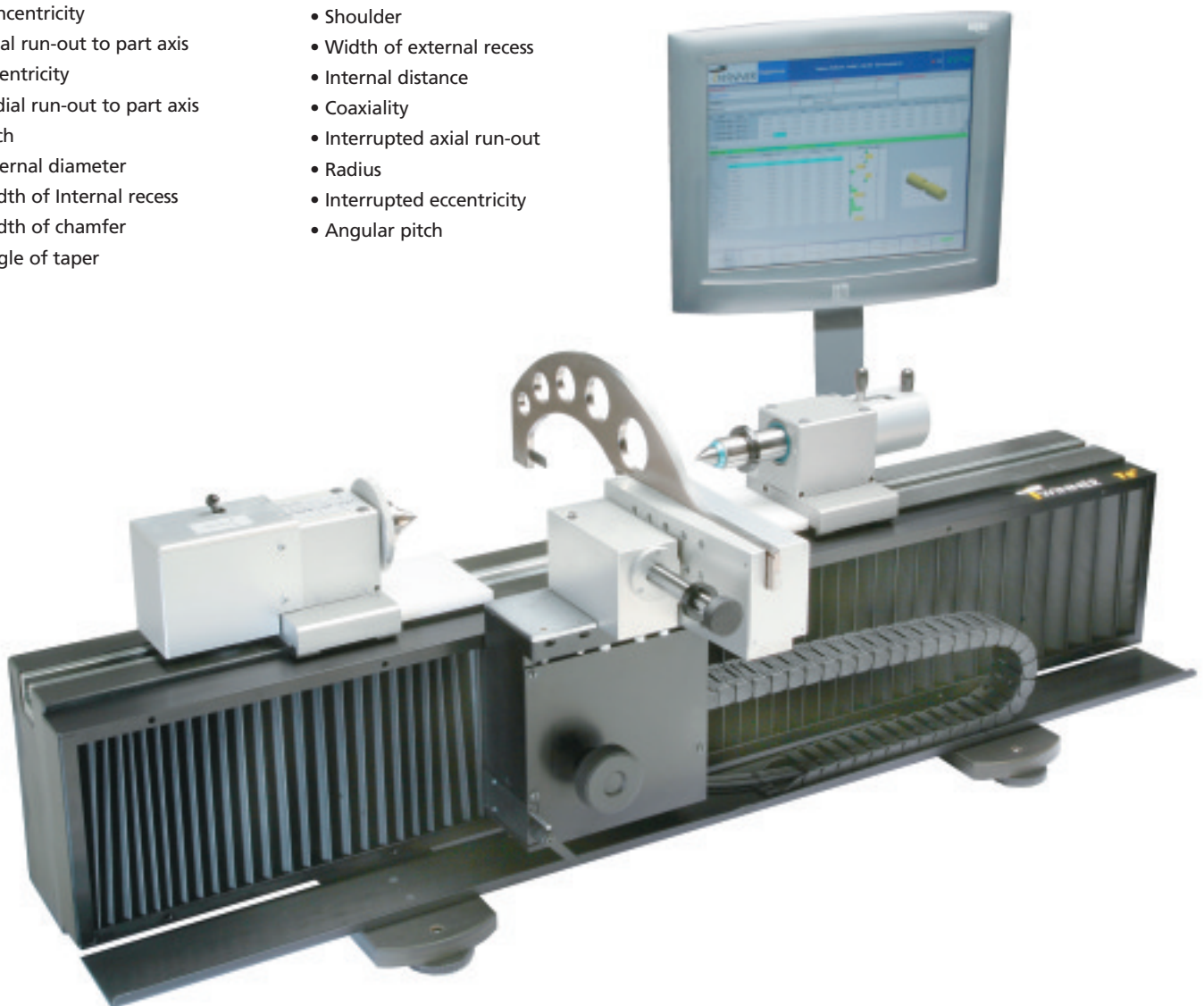
This multifunctional and flexible instrument has been specifically developed for the workshop and lends itself perfectly to shop-floor use.

Twiner allows the quality control of sole parts as well as that of small batches. All revolving parts can be precisely measured, without adjustment. The range of parts that can be measured spreads over typical turning parts, such as axles, gearbox shafts, camshafts, crankshafts, transmission shafts, joints and revolving parts, to parts with very elaborate geometry.

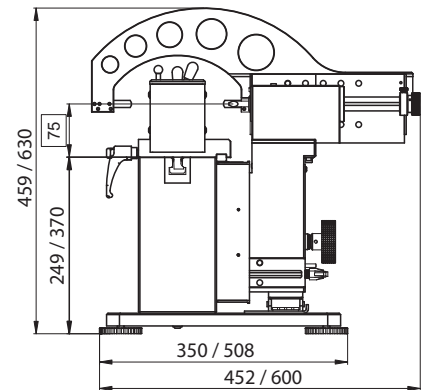
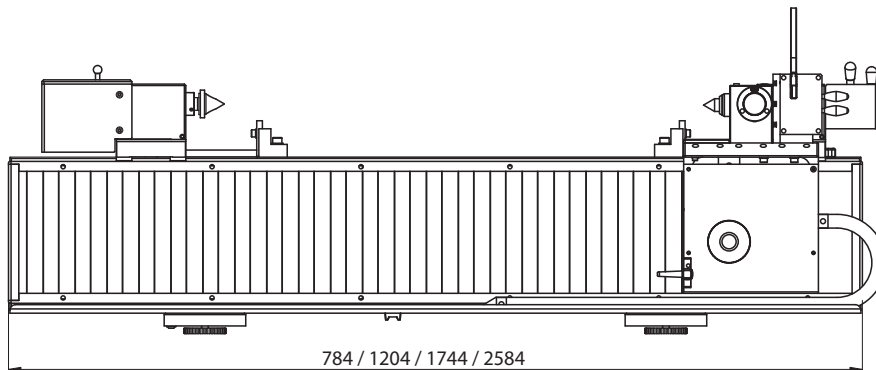
Twiner is available in the following dimensions: lengths of 400, 800, 1200 and 2000mm and diameters of 125 or 160mm. The manual use and control of the Twiner is generally performed by means of a 2-axis display unit (diameter and length). For better comfort and more functionality, the Twiner can be equipped with a PC with Twiner Soft.

Features

- Length
- Diameter on odd division
- Diameter of recess
- Internal depth
- Concentricity
- Axial run-out to part axis
- Eccentricity
- Radial run-out to part axis
- Pitch
- External diameter
- Width of Internal recess
- Width of chamfer
- Angle of taper
- Axial run-out
- Position
- Eccentricity to part axis
- Point of intersection
- Shoulder
- Width of external recess
- Internal distance
- Coaxiality
- Interrupted axial run-out
- Radius
- Interrupted eccentricity
- Angular pitch



Twiner - 2 Axis Horizontal Measuring Machine



Display Options

The use and control of the Twiner is generally made by means of a 2-axis display unit (diameter and length).

- Quadra-Chek
- Linear measuring system, min/max.
- Digital display
- Zero setting / Preset
- Display initialisation by external signal
- RS232 data output

For better comfort and more functionality, the Twiner can be equipped with a PC with Twiner Soft. This modern SPC system offers unbeatable value for money. Its flexibility makes it adaptable to the most diverse measuring situations.

- PC with Twiner Soft
- 15" Touch screen
- 1024 x 768 resolution
- Measurement guided by program
- Q-DAS data base in ASCII format
- Optical module



TWINER - 2 AXIS HORIZONTAL MEASURING MACHINE

Model	T4	T8	T12	T20
Measuring range (length X) mm (in)	400mm (15")	800mm (31")	1200mm (47")	2000mm (78")
Measuring range (diameter Y) mm (in)	125mm (5")	125/160mm (5/6")	125/160mm (5/6")	125/160mm (5/6")
Max. permissible errors μm	$3 + L \text{ (mm)} / 100 \text{ (length X)} / 1.5 + D \text{ (mm)} / 100 \text{ (diameter Y)}$			
Repeatability μm	$2.0 \text{ (length X)} / \leq 1.0 \text{ (diameter Y)}$			
Resolution mm(in)	$0.001 / 0.0001 \text{ (length X)} / 0.001 / 0.0001 \text{ (diameter Y)}$			
Measuring force, length and diameter N	2.0	2.0	2.0	2.0
Max part weight kg	10 / 20 /100	10 / 20 /100	10 / 20 /100	10 / 20 /100
Weight (instrument) kg	120	140	180	240
Code No	20-30T4	20-30T8	20-30T12	20-30T20
Price (£)	Visit bowers.co.uk for latest prices	Visit bowers.co.uk for latest prices	Visit bowers.co.uk for latest prices	Visit bowers.co.uk for latest prices