

Technical data HOMMEL TESTER C8000

Measuring stroke / Measuring distance	
• vertical (Z axis)	20 mm with 230 mm tracing arm <u>optional:</u> 30 mm with 345 mm tracing arm 40 mm with 460 mm tracing arm
• horizontal (X axis)	max. 120 mm
Max. resolution	
• X axis	0.100 µm optical linear scale
• Z axis (gauge)	0.066 µm high-precision inductive converter
• Z axis (stylus tip)	0.666 µm with 230 mm tracing arm
Horizontal straightness	< 0.4 µm/120 mm
Measurement speed	0.1 bis 3 mm/sec
Stylus force	0 – 20 mN
Stylus traceable angle	77° rise, 88° fall
Stylus tip radius	20 µm
Column height	400 mm, motorized
X-Y worktable MT1	+/- 12.5 mm linear stage X and Y axis +/- 5° rotary stage

Scope of delivery of HOMMEL TESTER C8000

Art. 999 850

- Granite base 780x500x100 mm with T-slot
- Motorized column wavelift™ 400 with motor drive
- Tilting unit +/- 45°
- waveline™ 120 contour traverse unit
- wavecontour™ Set contour pick-up with 230 mm tracing arm
- Worktable MT1 for accurate X-Y positioning of the workpiece
- Step height calibration set 0.5; 1; 2; 4; 10; 20 mm and radius calibration ball 30 mm with test certificate
- PC-system with 17" monitor (15" TFT monitor optional)
- Colour inkjet printer
- TURBO CONTOUR software for Windows

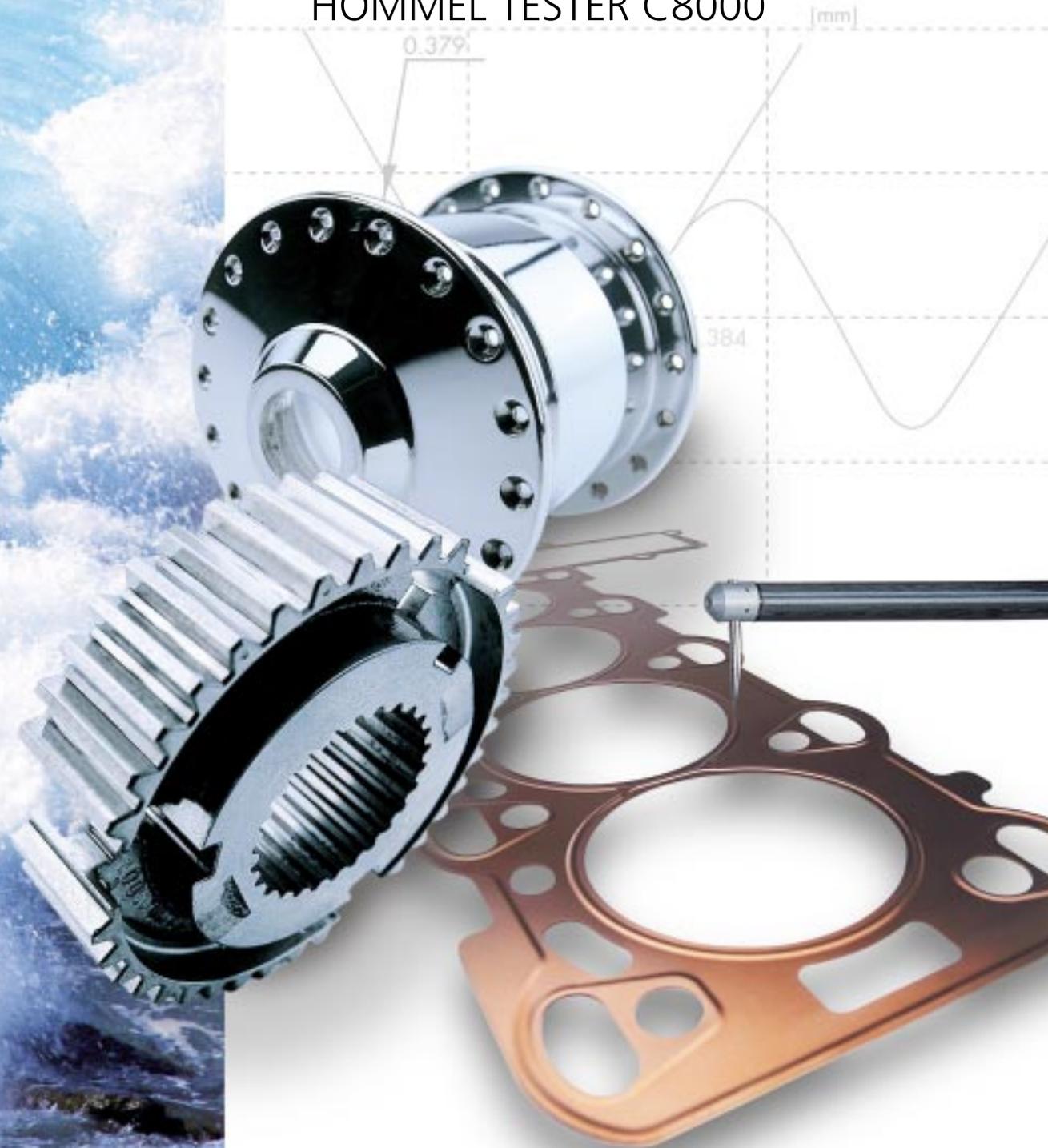
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Precision is our business.



High-precision at an attractive price

Contour measurement with the
HOMMEL TESTER C8000



THE IDEAL SOLUTION AT AN ATTRACTIVE PRICE:

THE ADVANTAGES IN DETAIL

- Optimum:

The configuration of the HOMMEL TESTER C8000 is ideally adapted to the requirements of demanding users.

- Fast:

The latest in technology guarantees precision measurements within seconds.

- Comfortable:

TURBO CONTOUR for Windows makes operation direct and simple.

- Versatile:

The sophisticated software of the HOMMEL TESTER C8000 allows management of any number of measuring programs and analysis.

- Precise:

X and Y dimensions, radii and angles are determined with absolute precision.

- Variable:

Profile, point and element functions are available for the contour analysis.

- Individual:

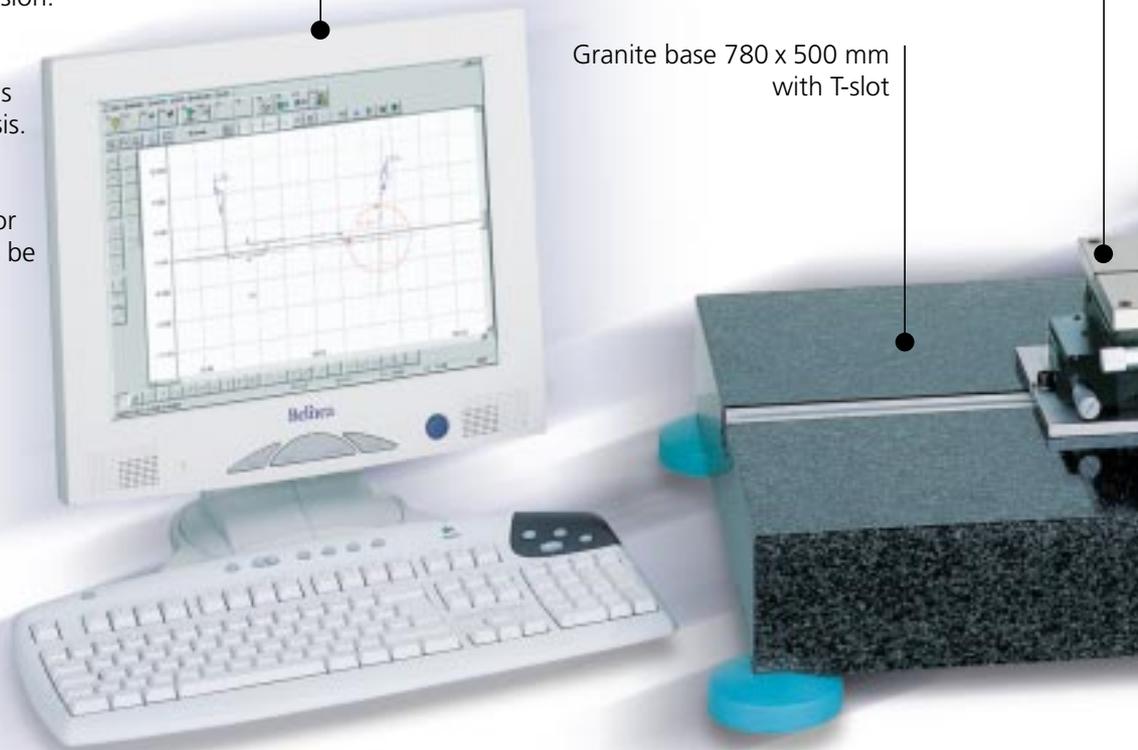
The on-screen and printed forms for analysis and reporting purpose can be defined by the operator and easily tailored to your individual requirements.

Contour pick-up wavecontour™
Set with 230 mm tracing arm

X-Y worktable MT1 for accurate
positioning of the workpiece

PC-system with TURBO CONTOUR
evaluation software + printer

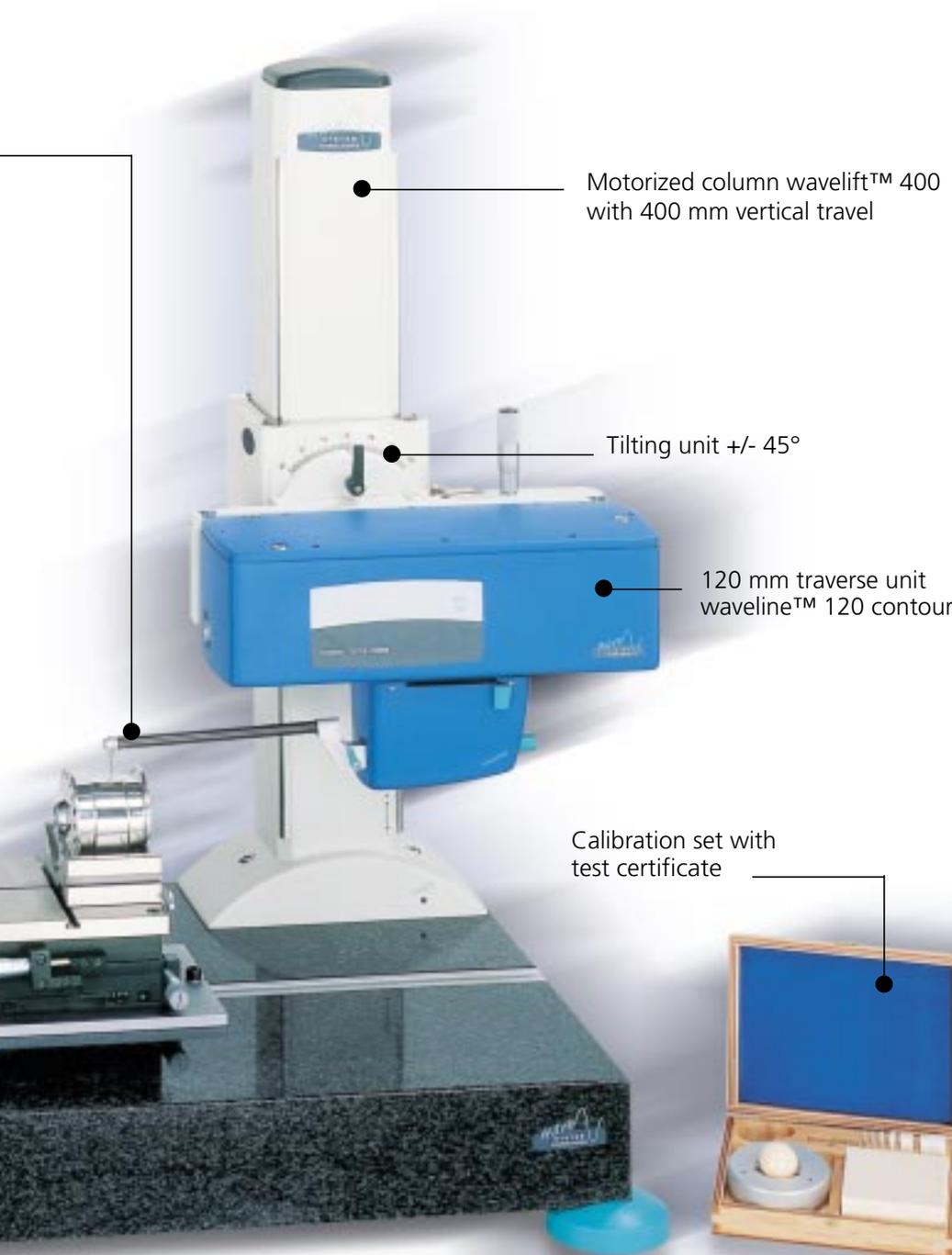
Granite base 780 x 500 mm
with T-slot



HOMMEL TESTER C8000

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CONTOUR MEASUREMENT WITH THE HOMMEL TESTER C8000



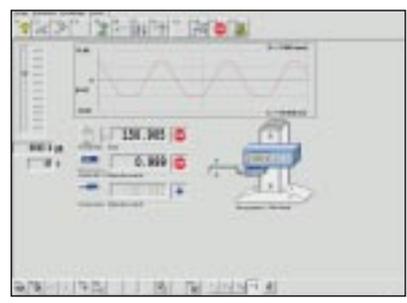
Motorized column wavelift™ 400 with 400 mm vertical travel

Tilting unit +/- 45°

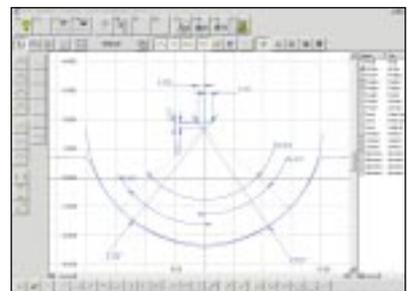
120 mm traverse unit waveline™ 120 contour

Calibration set with test certificate

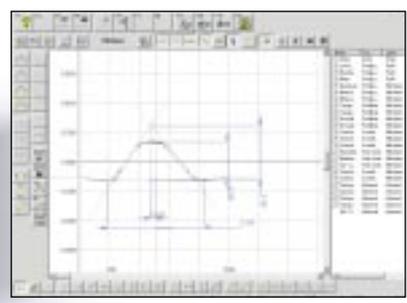
USER-FRIENDLY TURBO CONTOUR SOFTWARE



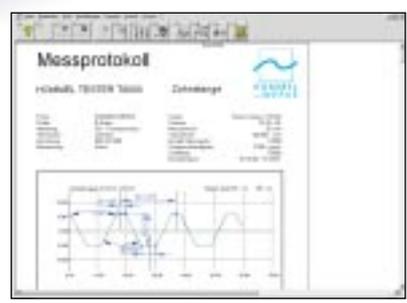
The running of a calibration sequence prior to starting the measuring program guarantees totally accurate measuring results.



The evaluation function offers you the possibility of carrying out detailed, two-dimensional evaluations of any profile segments of the measured contour.



With a software option, TURBO CONTOUR allows you to evaluate leaks on seals.



You have complete freedom of choice in designing on-screen and printed forms and can adapt these individually to the measuring task and to your company.

TECNIMETAL

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