

LP100

PROFILOMETER

The world's most advanced residual stress mapping technology.

Scan your part and select the coordinates you wish to characterize. Then, take advantage of revolutionary residual stress mapping technology by inputting the generated profile into your residual stress measurement system.



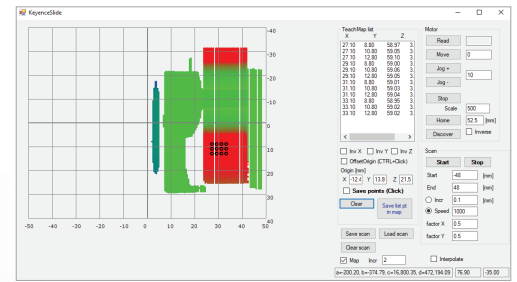
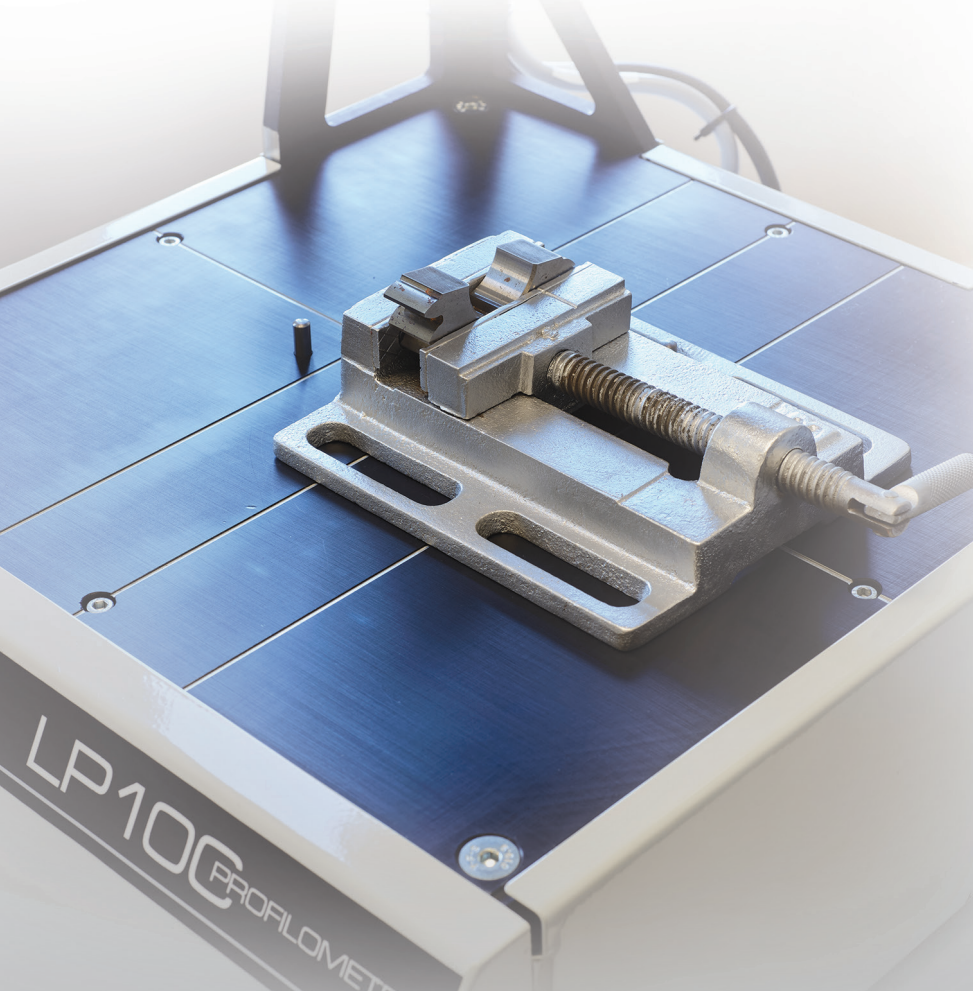
TECHNOLOGY THAT DELIVERS
ACCURATE RESULTS

PROTO
X-RAY DIFFRACTION

LP100

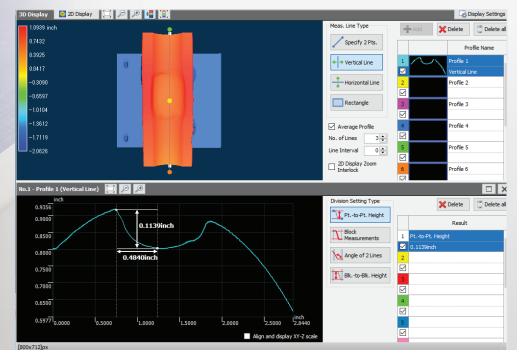
PROFILOMETER

FEATURES & CAPABILITIES



ADVANCED RESIDUAL STRESS MAPPING

The LP 100 system can be used to create maps using Cartesian coordinates, which can then be inputted into Proto's stress mapping software.



STRESS-VERSUS-DEPTH PROFILING

With the LP 100 Profilometer, users can also obtain depth measurements of a part, allowing for the creation of residual-stress-versus-depth profiles.

LP 100 SPECIFICATIONS

Overall size (W x D x H)	370 x 400 x 585 mm (15 x 16 x 23 in)
Power requirements	100-240 VAC, 1.6 A, 50/60Hz, single phase
Max. height of components	47 mm
Min. height of components	22.5 mm
Max. width of components	100 mm
Normal operating range	5-38°C (or 41-100°F)
Accuracy	20 µm (x and y axes); 1 µm ± 0.1% of full scale (z axis)
Scanning size	100 x 73 mm (3.9 x 2.9 in)
Maximum curvature	89°
Maximum frequency	1 kHz
Type of laser	Class 2

Proto Manufacturing engages in continuous research and development; therefore, specifications in this publication are subject to change. Please contact for details. Various items and methods in this brochure are covered by patents or patents pending.