SqueezerPro
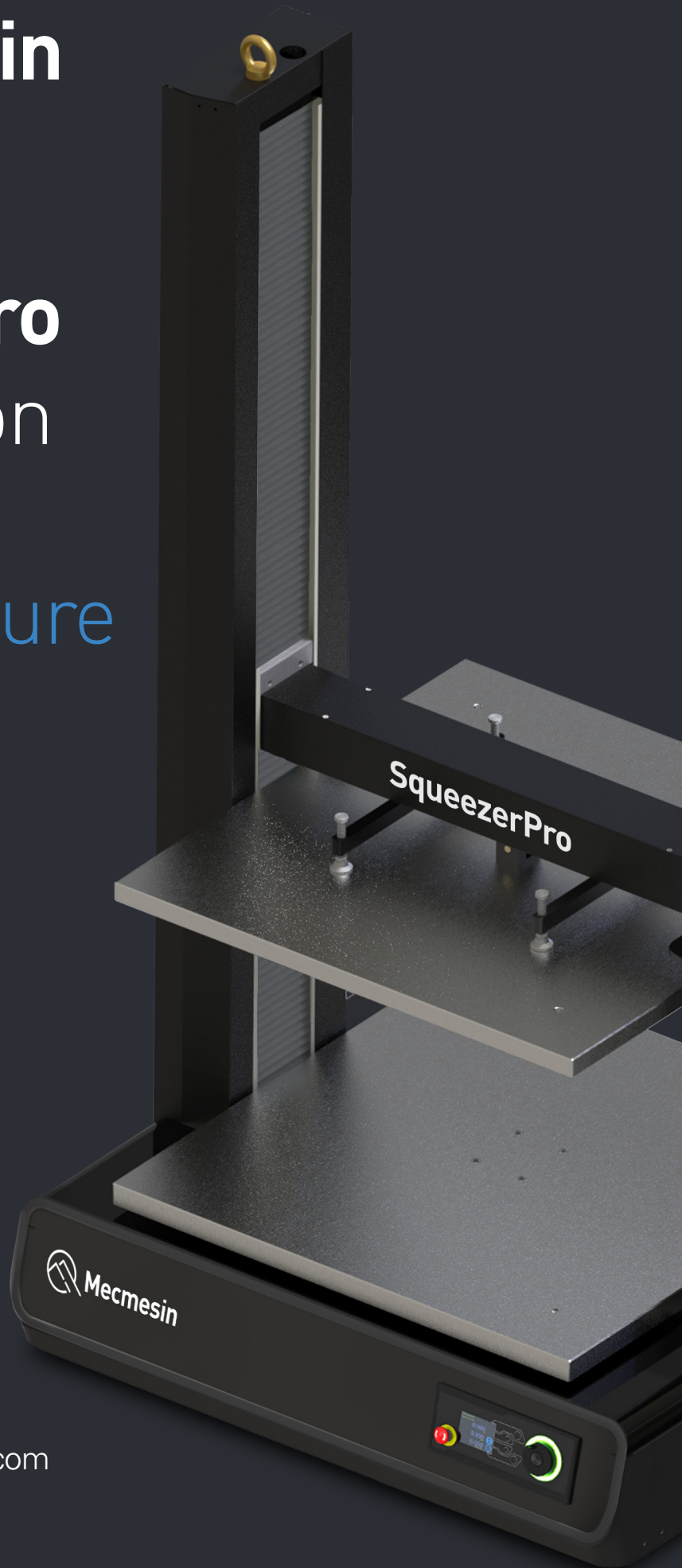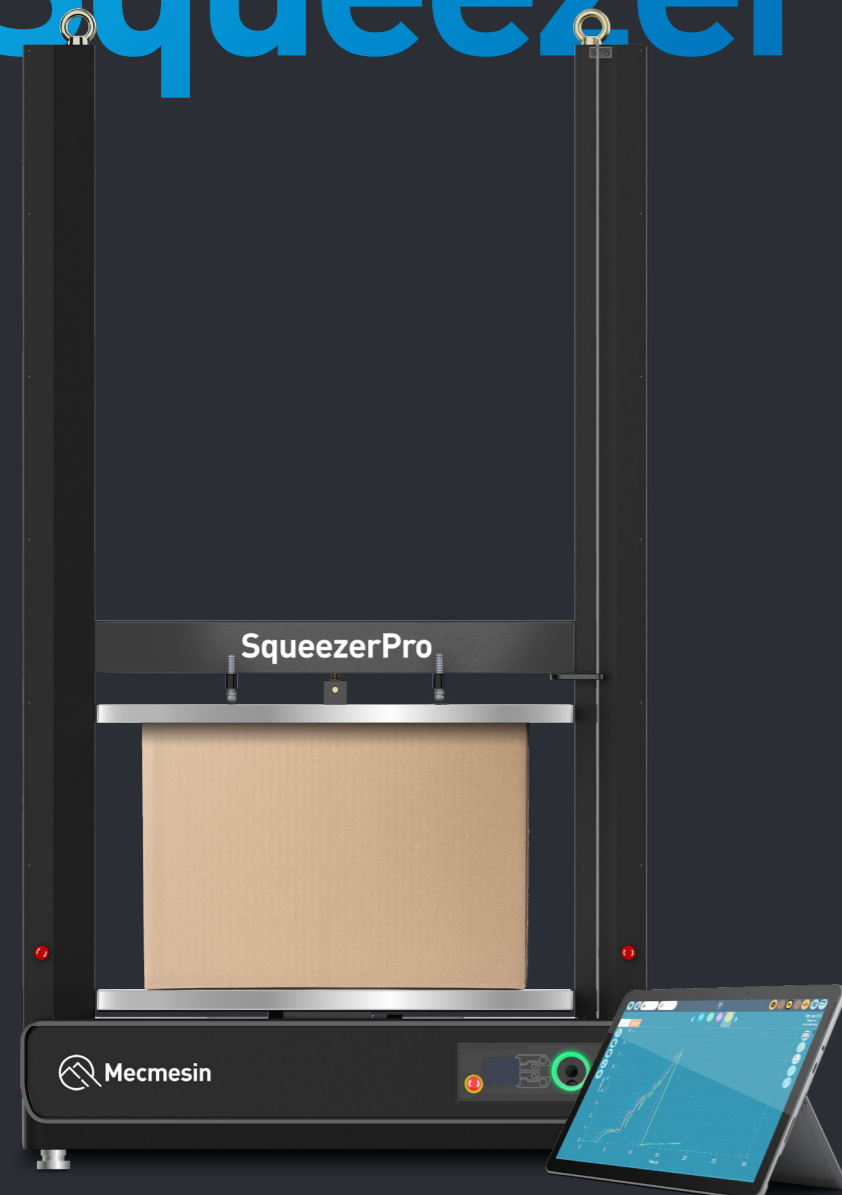## Compression tester
Sales brochure

Explore the new SqueezerPro

Crafted to evaluate box performance, SqueezerPro offers powerful insights into the compressive strength performance of various board mediums, closures, interior partitions, and other critical design variables. Additionally, SqueezerPro can be used to conduct distribution simulation compression testing for individual packages.

SCAN HERE
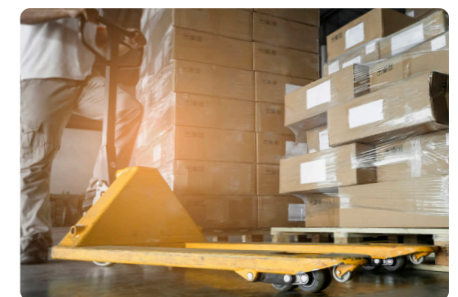
> SqueezerPro offers unparalleled insights into compressive strength across various mediums and design variables. Integrated with VectorPro software, SqueezerPro simplifies testing processes for greater efficiency.

Carl Bramley, ISTA European Board Director

SqueezerPro

Compression tester

Mecmesin develop a comprehensive suite of compression test systems, including SqueezerPro, designed to assess the performance of unit loads, individual packages, components, and materials under compressive loads.

	SqueezerPro
Platen size (standard)	760 mm x 760 mm (30" x 30")
Platen size (extended)	1120 mm x 760 mm (44" x 30")
Platen configuration	Fixed or floating
Vertical daylight	1220 mm (48")
Max force	25 kN (5,500 lbs)

Key features

- Precision parallelism
- Greater accuracy
- Simple controls
- VectorPro test software
- Drag and drop interface
- Seamless data export

Powered by VectorPro software

Quality control
Ideal for research laboratory and quality control area testing.

Versatile anchors
M16 eye bolt(s) that can be removed to provide convenient M16 anchor points.

Precision bearings
Greater performance and longevity by minimising play in column bearings.

Accuracy & precision
Precision aligned specimen platforms for accurate test results, ensuring reliability and confidence in your testing outcomes.

Intuitive controls
Coloured LED controller provides clear status updates throughout testing.

Flexible programming
Tailor testing protocols to your specific requirements - maximising efficiency and productivity.

Test standards

SqueezerPro is purpose-built to comply with key international test standards, including ISTA 6-Amazon, D642-20, ISO 12048, Tappi T804, and more. Designed to evaluate the compressive strength of cardboard and fiberboard packaging, it ensures adherence to industry standards, providing accurate and reliable results for your testing needs.

ASTM	D642-20, D4169, D4577-19, D7030-22
ISO	12048
ISTA	Proc. 2A 2001, Proc. 2B 2001 Proc. 3H 11-14, Project 6 Amazon.com SIOC 18-18
TAPPI	T 804

VectorPro® software

Software core functionality

Dedicated to enhancing your testing experience, VectorPro software is specifically designed for the SqueezerPro compression tester. Seamlessly integrated, it simplifies test routine creation, data acquisition, and analysis.

Whether connected to your PC or optional touchscreen controller, VectorPro provides a user-friendly environment. Its adaptive interface guides configuration seamlessly, presenting only relevant parameters. Experience the power of VectorPro and elevate your testing capabilities with SqueezerPro.

Key Features

- Real-time graph plotting
- Immediate display of results
- Full data export
- Customised report generation
- Drag and drop interface
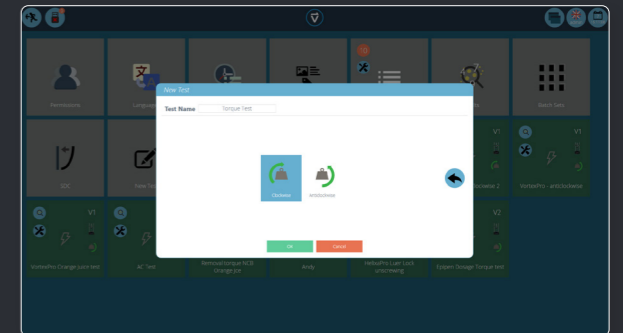- Personalized workspace
- Secure user accounts

Powered by
VectorPro®

Discover VectorPro software
visit vectorpro.io

Touchscreen test software

Your step-by-step guide to getting started

01 | Login

02 | Select

03 | Design
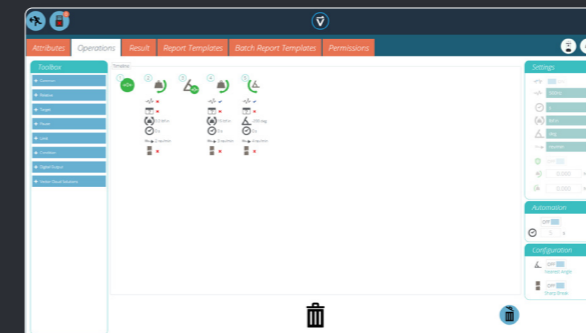
04 | Analyse

05 | Report

06 | Share

Test reporting

Compression functionality

VectorPro is our advanced force measurement software, featuring batch testing functionality that uses pre-configured tests to create semi-automatic or fully automatic testing on groups of products and product batches. This feature simplifies testing by automatically creating the new test with a graph for every sample, exporting data and printing test reports. Test reports can display overlay graphs or individual test graphs. Batch testing enables monitoring of the batch progress and can be started, paused and restarted at any time.
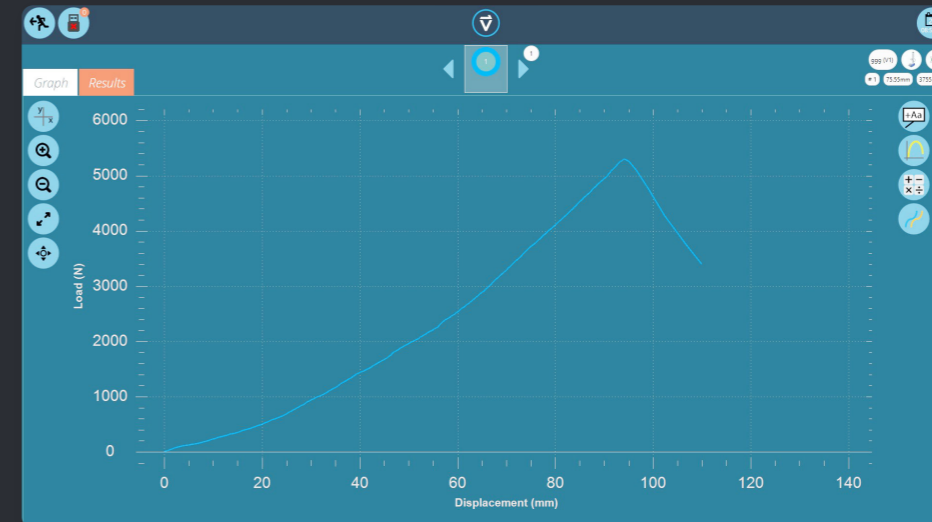
▲ **Real-time graph plotting of tests**

VectorPro can display real-time force measurement and deflection. Measure Maximum Force using a predefined test standard or your own custom test programs. VectorPro's cloud connectivity enables users to easily share test programs and test results with colleagues.
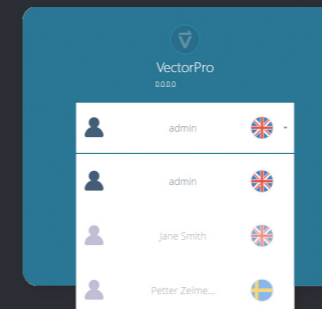
User access

VectorPro also features role management and event logging, enabling supervisors to authorize actions with a digital signature, providing a complete testing audit trail.
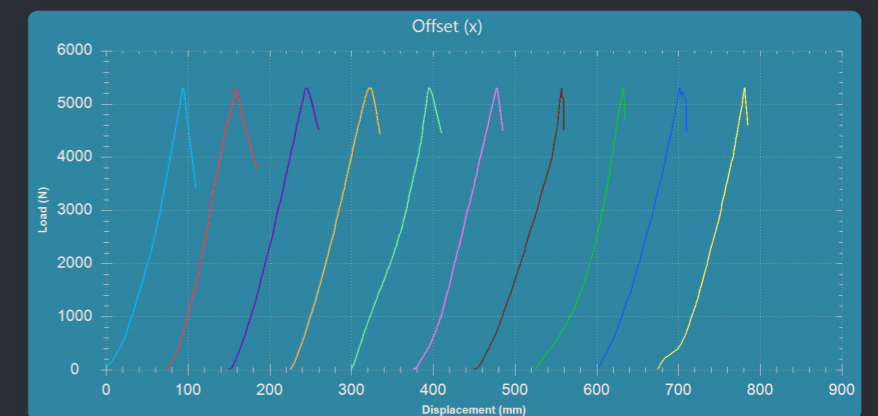
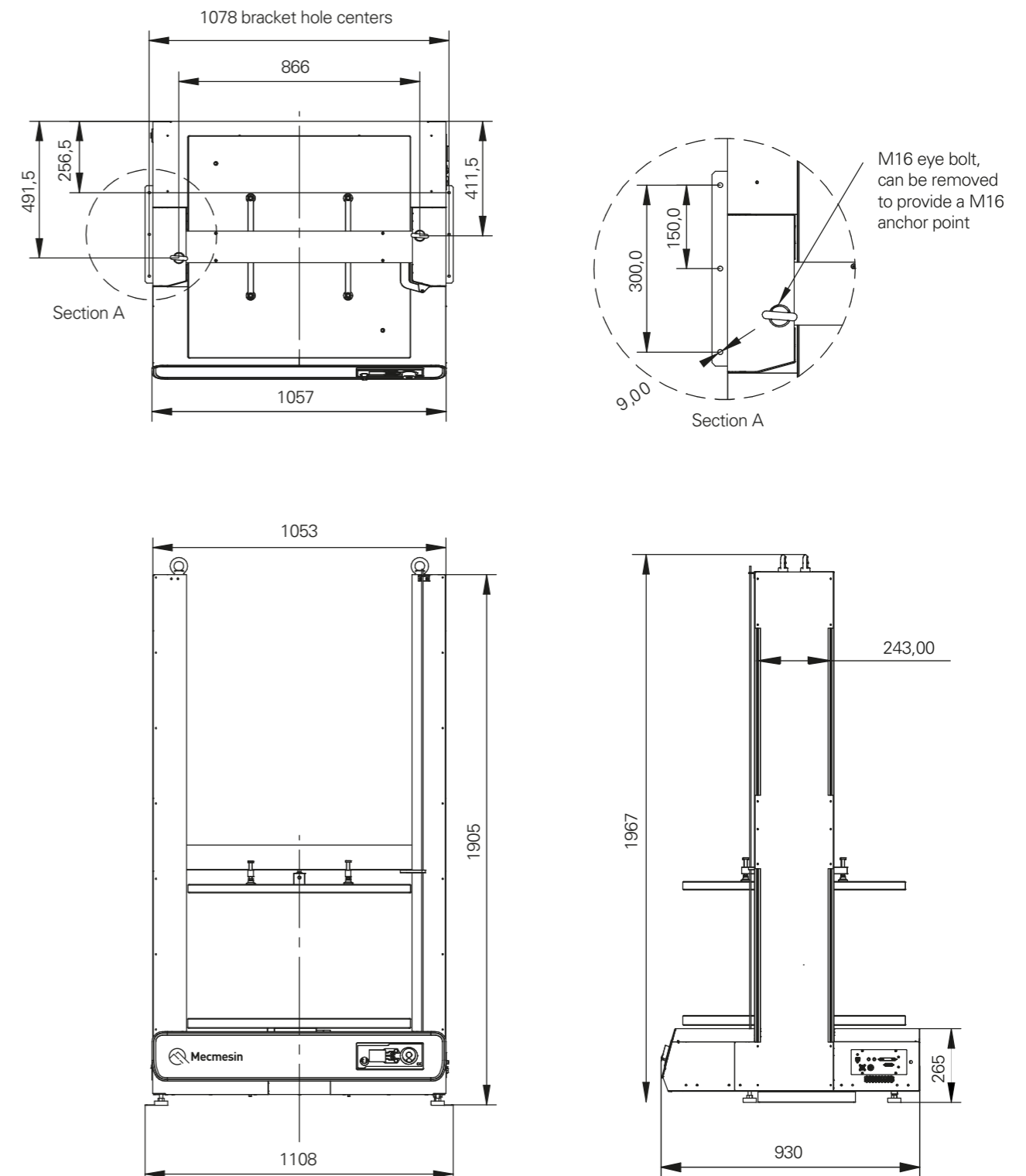▲ **Graphical output with tagged curves**
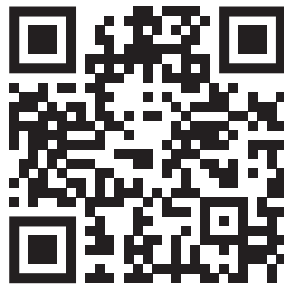
SqueezerPro (25kN) Specifications

Load			
Rated capacity	N	25000	
	kN	25	
	kgf	2549	
	lbf	5500	
Force accuracy		+/- 0.5% of reading, EN ISO 7500-1:2015 Class 0.5 ASTM E4	
Resolution		1:50,000	
Data acquisition rate (max)		1000 Hz	
Platen configuration		Fixed or floating	
Dimensions*			
Distance between columns		800 mm (31")	
Height		1967 mm (77.5")	
Width		1108 mm (44")	
Depth		930 mm (37") Machine only	
Vertical daylight		1440 mm (48")	
Weight (instrument only)		Approx 400 kg (880 lbs)	
Speed			
Range	mm/min	0.01 - 1000	
	in/min	0.0004 - 39.4	
Resolution	mm/min	0.001	
Accuracy		Better than ±2% of indicated speed or ±20 microns/minute, whichever is greater	
Displacement			
Crosshead travel*		1220 mm (48")	
Resolution		0.001 mm (1 micron)	
Accuracy		±0.1% of indicated position or ±0.01mm (10 microns), whichever is greater	
Electrical supply			
Voltage		230V AC 50 Hz or 110V AC 60 Hz	
Max power		750W	
Environment specification			
Operating temperature		10°C - 40°C	
Operating relative humidity		30-80% non-condensing	

*Measured without fixtures

SqueezerPro Dimensions

PPT Group

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