

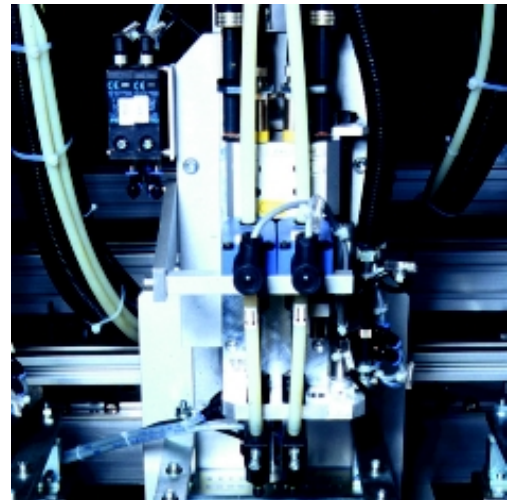
BAT Screwdriving Cell



The SCREWDRIVING Cell is based on the IPTE modular Cell Structure – BAT, and consists of a platform-based system manufactured of welded frame construction that can be used as a self contained building block. The Cell has been developed for PCB or Carrier transport for a single process. The Cell operates in-line, compliant to SMEMA standards, or as a stand-alone system. The process area is located outside of the transport area, permitting a product pass-through capability. This concept also provides an optional buffer on the transport area. The design assures easy accessibility and operator handling.

The BAT screwdriving system offers reliable and economic solutions to a wide range of screwdriving applications. The screwdriving unit with feeding is available as the basic-component of a complete screwdriving-station. It includes all functional components, such as mouthpiece- and spindle-stroke, depth control and lateral spring-loaded stroke-compensation. Screwdriving units with feeding are available with several spindle motor sizes and spindle strokes, making it the ideal versatile solution for high volume production.

- Automatic In-Line Screwdriving System
- High-Speed Economical In-Line System
- Modular Cell Structure for Easy Integration into PCB or Final Assembly Lines
- PCB or Carrier Transport
- Easy Configuration and Application Software
- Modular Screwdriving System
- Wide Variety of Applications



The programmable X-Y system provides flexible screwdriving positioning.

BAT Screwdriving Cell

Technical Specification	
PCB Width:	50 - 510 mm (1.97 - 20.07")
PCB Length:	50 - 460 mm (1.97 - 18.11")
PCB Ratio:	0.8 (L >= 0.8 x Width)
PCB Thickness:	> 0.4 mm (0.015")
Top Side Clearance:	max. 170 mm (6.7") adjustable
Bottom Side Clearance:	25.4 mm (1")
PCB Edge Support:	2.5 - 5 mm (0.1 - 0.2") adjustable optional: carrier edge support up to 10 mm (0.4")
Product Weight:	PCB max. 2.5 kg (5.5 lbs) Carrier max. 5 kg (11 lbs) with Heavy Transport Option
Transport Height:	925 mm + 50 mm (36.4" + 2") (SMEMA)
Transport Direction:	L->R, R->L software selectable
Transport Speed:	0 - 800 mm/sec (0 - 31.5"/sec)
PCB Exchange Time:	<4 sec
Positioning Repeatability:	0.04 mm (0.0015") - absolute encoded
Operating Software:	Windows™ NT
Network:	Ethernet
Energy Requirements:	3 x 380 V - 2.5 kVA
Compressed Air:	6 bar - 20%, according to DIN ISO 8573 3.4.5
Color:	RAL 7037 / RAL 7035
Dimensions (L x D x H):	980 x 1740 x 2000 mm (39 x 69 x 79")
Weight:	350 kg (771 lbs) + Application
Standards:	CE Approved
Screwdriving Unit:	Deprag (others on request)
Options	
Second Screwdriver Unit	
Bowl feeder with screw separator	
Screw distributor to supply 2 screwdriving units within one cell	
Programmable rotation	
Vision system	
Barcode/Dotcode Scanner	
Network interface to customer database	

■ EUROPE

IPTE n.v.

Industriezone Zuid
Geleenlaan 5
3600 Genk
Belgium
Tel.: +32 (0)89 623 000
Fax.: +32 (0)89 623 010
email: info@ipte.com

■ AMERICAS

IPTE, LLC

1235 Old Alpharetta Road
Suite 110
Alpharetta, GA 30005
USA
Tel.: +1-770-360 5523
Fax.: +1-770-360 9105
email: info@ipte.com

■ ASIA PACIFIC

IPTE Asia Pacific Pte Ltd

215, Henderson Road,
#01-#05
Henderson Industrial Park,
Singapore 159554
Tel: +65 274 4688
Fax: +65 274 4088
email: info@ipte.com



www.ipte.com