BENTEC LTD

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2026 PRODUCT CATALOGUE

Fully Automatic Screen Printer

2026

PRODUCT CATALOGUE

Fully Automatic Screen Printer Hipri-350

OVERVIEW

High-Precision Printing

Position Precision:± 12 microns@6σ

Printing Precision :± 25 microns@6σ

Enhanced Reliability &Eficiency

High rigidity integrated metalframe ensuring long-term printing equipment stability. Doublescrewrods adjust rail width electrically for safe, smooth board transportation.Spraying device is able to adjust filling capacity and cleaning area based on boards' size automatically. Resource-saved, precise adapting and smart automation.

Z-axis direct connection with servo motor

TECHNICAL SPECIFICAITONS

Hipri- delivers exceptional productivity through full optimization of operational logic, achieving an impressive cycle time of 8 seconds (excluding printing and cleaning) within its price category. The Hipri series ranks among our best-selling products and has long supported stable, reliable production operations.

Model	**Hipri 350**
Positioning repeatability	± 12 microns@6σ
Printing accuracy	± 25 microns@6σ
Core Cycle Time	<8s(Exclude Printing &Cleaning)
Product Changeover Time	<5min
New Product Set-up Time	<10min
Board Size Range	50×50-510×350mm
PCB Thickness	0.6~6 mm (below 0.6 mm fixtures are required)
PCB Max Weight	5kg
Stencil Frame Size	470×370-820×737mm
Stencil Thickness	20-40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	13 mm
Squeegee Type	Steel, Rubber or Customerized(angle 60°/55°/45°)
Squeegee Pressure	0-15kg
Printer Speed	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)
Separation option	Separation after squeegee up;Squeegee up after separation
Conveyor Speed	100-1500mm/sec
Transport High	900±20mm
Conveyor Direction	L→R,L→L,R→L,R→R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2°
Cleaning System	1.Drop-type cleaning system 2.Dry/Wet Vacuum Modes
Power Supply	AC:220 V±10%, 50/60 Hz 1Φ 2.5 KW, 13 A
Weight	Approx:900kg
Dimension	1250(L)×1450(W)×1550(H)mm

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PRODUCT CATALOGUE

Fully Automatic Screen Printer Hipri-350plus

OVERVIEW

High-Precision Printing

Position Precision:±10um(CPK≥2.0)

Printing Precision :±18um(CPK≥2.0)

Enhanced Reliability &Eficiency

High rigidity integrated metalframe ensuring long-term printing equipment stability. Doublescrewrods adjust rail width electrically for safe, smooth board transportation.Spraying device is able to adjust filling capacity and cleaning area based on boards' size automatically. Resource-saved, precise adapting and smart automation.

Z-axis direct connection with servo motor

TECHNICAL SPECIFICAITONS

Model	**Hipri 350plus**
Positioning repeatability	± 10um(CPK≥2.0)
Printing accuracy	± 18um(CPK≥2.0)
Core Cycle Time	<8s(Exclude Printing &Cleaning)
Product Changeover Time	<5min
New Product Set-up Time	<10min
Board Size Range	50×50-400×350mm
PCB Thickness	0.6~6 mm (below 0.6 mm fixtures are required)
PCB Max Weight	5kg
Stencil Frame Size	370×370-737×737mm
Stencil Thickness	20-40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	13 mm
Squeegee Type	Steel, Rubber or Customerized(angle 60°/55°/45°)
Squeegee Pressure	0-15kg
Printer Speed	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)
Separation option	Separation after squeegee up;Squeegee up after separation
Conveyor Speed	100-1500mm/sec
Transport High	900±20mm
Conveyor Direction	L→R,L→L,R→L,R→R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2°
Cleaning System	1.Drop-type cleaning system 2.Dry/Wet Vacuum Modes
Power Supply	AC:220 V±10%, 50/60 Hz 1Φ 2.5 KW, 13 A
Weight	Approx:900kg
Dimension	1150(L)×1400(W)×1510(H)mm

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PRODUCT CATALOGUE

Fully Automatic Screen Printer Hipri-510Pro

OVERVIEW

High-Precision Printing

Position Precision:±7μm(@6σ Cpk≥2.0)

Printing Precision ±15μm(@6o,Cpk22.0)

Enhanced Reliability &Eficiency

Squeegee transport with ball-screw &direct servo drive for high reliability and repeatability.

Independent squeegee system with electro-pneumatic print head ensures stable printing precision.

Optional closed-loop control for squeegee pressure.

Intelligent platform height adjustment.

Z-axis direct servo drive delivers accurate lifting,precise snap-off control

TECHNICAL SPECIFICAITONS

Model	Hipri-510Pro
Positioning repeatability	±7μm(@6σ Cpk≥2.0)
Printing accuracy	±15μm(@6σ Cpk≥2.0)
Core Cycle Time	<7s(Exclude Printing &Cleaning)
Product Changeover Time	<5min
New Product Set-up Time	<10min
BOARD HANDLING	
Board Size Range	50×50-510×510mm(option:600×510mm) 0.6-6mm(Fixtures required for<0.6mm)
PCB Thickness	
PCB Max Weight	5kg
Stencil Frame Size	370×470-737×737mm
Stencil Thickness	20-40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	Programmable 13mm(23mm option)
PRINTING PARAMETER	
Squeegee Type	Steel/Rubber Blade(angles:60°/55°/45°)
Squeegee Pressure	0-15kg
Printer Speed	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)
Conveyor Speed	100-1500mm/sec
Transport High	900±20mm
Conveyor Direction	L→R,L→L,R→L,R→R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2°
Cleaning System	1.Drop-type cleaning system 2.Dry/Wet Vacuum Modes
FACILITIES REQUIREMENT	
Power Supply	AC:220-240V,50/60HZ 1Φ 2.5KW，13A
Weight	Approx:1000kg
Dimension	1250(L)×1440(W)×1510(H)mm

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PRODUCT CATALOGUE

Fully Automatic Screen Printer

OVERVIEW

High-Precision Printing

Position Precision:±8μm(@6o,Cpk22.0)

Printing Precision ±15μm(@6o,Cpk22.0)

Enhanced Reliability &Eficiency

Squeegee transport with ball-screw &direct servo drive for high reliability and repeatability.

Independent squeegee system with electro-pneumatic print head ensures stable printing precision.

Optional closed-loop control for squeegee pressure.

Intelligent platform height adjustment.

Z-axis direct servo drive delivers accurate lifting,precise snap-off control

TECHNICAL SPECIFICAITONS

The Fully Automatic Screen Printer Hipri-510plus is a high-precision screen printer,achieving positional accuracy of±8μm(@6o Cpk22.0) and printing accuracy of ±15μm(@6o Cpk2.0).Its patented design, incorporating high-quality components,ensures enhanced reliability and efficiency.

Model	**Hipri-510plus**
Positioning repeatability	±8μm(@6σ,CPK≥2.0)
Printing accuracy	±15μm(@6σ,Cpk≥2.0)
Core Cycle Time	<7s(Exclude Printing &Cleaning)
Product Changeover Time	<5min
New Product Set-up Time	<10min
BOARD HANDLING	
Board Size Range	50×50-510×510mm(option:600×510mm) 0.6-6mm(Fixtures required for<0.6mm)
PCB Thickness	
PCB Max Weight	5kg
Stencil Frame Size	470×370-780×737mm
Stencil Thickness	20-40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	Programmable 13mm(23mm option)
PRINTING PARAMETER	
Squeegee Type	Steel/Rubber Blade(angles:60°/55°/45°)
Squeegee Pressure	0-15kg
Printer Speed	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)
Separation option	Separation after squeegee up;Squeegee up after separation
Conveyor Speed	100-1500mm/sec
Transport High	900±20mm
Conveyor Direction	L→R,L→L,R→L,R→R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2°
Cleaning System	1.Drop-type cleaning system 2.Dry/Wet Vacuum Modes
FACILITIES REQUIREMENT	
Power Supply	AC:220V±10%,50/60Hz,|φ,3kW
Weight	Approx:1000kg
Dimension	1250(L)×1480(W)×1550(H)mm

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PRODUCT CATALOGUE

Fully Automatic Screen Printer Hipri-600plus

OVERVIEW

High-Precision Printing

Position Precision:2 ≤ Cpk @ ± 10 microns (at 6Sigma)

Printing Precision:2 ≤ Cpk @ ± 20 microns (at 6Sigma)

Enhanced Reliability &Eficiency

Squeegee transport with ball-screw &direct servo drive for high reliability and repeatability.

Independent squeegee system with electro-pneumatic print head ensures stable printing precision.

Optional closed-loop control for squeegee pressure.

Intelligent platform height adjustment.

Z-axis direct servo drive delivers accurate lifting,precise snap-off control

TECHNICAL SPECIFICAITONS

Model	**Hipri-600plus**
Positioning repeatability	2 ≤ Cpk @ ± 10 microns (at 6Sigma)
Printing accuracy	2 ≤ Cpk @ ± 20 microns (at 6Sigma)
Core Cycle Time	<10s(Exclude Printing &Cleaning)
Product Changeover Time	<5min
New Product Set-up Time	<10min
BOARD HANDLING	
Board Size Range	100 × 80 - 850× 600mm
PCB Thickness	0.6-6mm(Fixtures required for<0.6mm)
PCB Max Weight	5kg
Stencil Frame Size	737×737-1100×900mm
Stencil Thickness	20-40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	Programmable 13mm(25mm option)
PRINTING PARAMETER	
Squeegee Type	Steel/Rubber Blade(angles:60°/55°/45°)
Squeegee Pressure	0-15kg
Printer Speed	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)
Separation option	Separation after squeegee up;Squeegee up after separation
Conveyor Speed	100-1500mm/sec
Transport High	900±20mm
Conveyor Direction	L→R,L→L,R→L,R→R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2°
Cleaning System	1.Drop-type cleaning system 2.Dry/Wet Vacuum Modes
FACILITIES REQUIREMENT	
Power Supply	AC:220-240V,50/60HZ 1Φ 2.5KW, 13A
Weight	Approx:1300kg
Dimension	1740(L)×1560(W)×1500(H)mm

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PRODUCT CATALOGUE

Fully Automatic Screen Printer Hipri-1200

OVERVIEW

High-PrecisionPrinting
PositionPrecision:2≤Cpk@±10microns(at6Sigma)
PrintingPrecision:2≤Cpk@±20microns(at6Sigma)
EnhancedReliability&Eficiency
Squeegeetransportwithball-screw&directservodriveforhigh reliabilityandrepeatability.
Independentsqueegeesystemwithelectro-pneumaticprintheadensures stableprintingprecision.
Optionalclosed-loopcontrolforsqueegeepressure.
Intelligentplatformheightadjustment.
Z-axisdirectservodrivedeliversaccuratelifting,precisesnap-offcontrol.

TECHNICAL SPECIFICAITONS

Model	Hipri-1200	Hipri-1500	Hipri-2000
Positioning repeatability	2≤Cpk@±10 microns (at 6Sigma)	2≤Cpk@±10 microns (at 6Sigma)	2≤Cpk@±10 microns (at 6Sigma)
Printing accuracy	2≤Cpk@±20 microns (at 6Sigma)	2≤Cpk@±20 microns (at 6Sigma)	2≤Cpk@±20 microns (at 6Sigma)
Core Cycle Time	<12s(Exclude Printing &Cleaning)	<12s(Exclude Printing &Cleaning)	<17s(Exclude Printing &Cleaning)
Product Changeover Time	<5min	<5min	<5min
New Product Set-up Time	<10min	<10min	<10min
BOARD HANDLING			
Board Size Range	100×80 -1200×410mm	80 × 50 -1500 × 510mm	80 × 50 -2000 × 510mm
PCB Thickness	0.6-6mm(Fixtures required for<0.6mm)	0.6-6mm(Fixtures required for<0.6mm)	0.6-6mm(Fixtures required for<0.6mm)
PCB Max Weight	5kg	5kg	5kg
Stencil Frame Size	737×300-1500×737mm	737 ×300-1500 × 737mm	1300 ×300-2300 × 750mm
Stencil Thickness	20-40mm	20-40mm	20-40mm
PCB Edge Clearance	3mm	3mm	3mm
PCB Bottom Clearance	Programmable 15mm	Programmable 13mm	Programmable 15mm
PRINTING PARAMETER			
Squeegee Type	Steel/Rubber Blade(angles:60 ° /55 ° /45 °)	Steel/Rubber Blade(angles:60 ° /55 ° /45 °)	Steel/Rubber Blade(angles:60 ° /55 ° /45 °)
Squeegee Pressure	0-15kg	0-15kg	0-15kg
Printer Speed	10-200mm/sec	10-200mm/sec	10-200mm/sec
Snap-off Speed	0.01-125mm/sec(3-step programmable)	0.01-125mm/sec(3-step programmable)	0.01-125mm/sec(3-step programmable)
Conveyor Speed	100-1500mm/sec	100-1500mm/sec	100-1500mm/sec
Transport High	900±20mm	900±20mm	900±20mm
Conveyor Direction	L →R,L→L,R →L,R →R	L →R,L→L,R →L,R →R	L →R,L→L,R →L,R →R
Table Adjustment Range	X:±4mm;Y:±6mm;O:±2 °	X:±4mm;Y:±6mm;O:±2 °	X:±4mm;Y:±6mm;O:±2 °
Cleaning System	Drop-type cleaning system	Drop-type cleaning system	Drop-type cleaning system
FACILITIES REQUIREMENT			
Power Supply	AC:220-240V,50/60HZ 1Φ 3KW，13A	AC:220-240V,50/60HZ 1Φ 3KW，13A	AC:220-240V,50/60HZ 1Φ 3KW，13A
Weight	Approx:1500kg	Approx:1800kg	Approx:2000kg
Dimension	2200(L)×1230(W)×1550(H)mm	2600(L)×1200(W)×1550(H)mm	3150(L)×1300(W)×1550(H)mm

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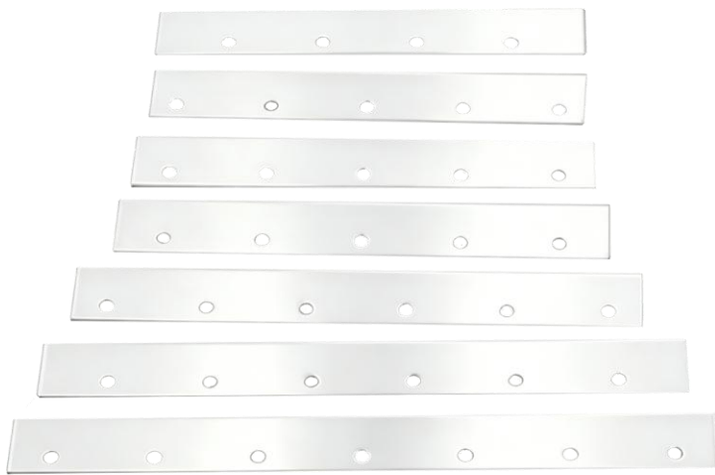
PRODUCT CATALOGUE

Hipri Steel Squeegee

OVERVIEW



TECHNICAL SPECIFICAITONS

Product ID	Product Name	Model	Remark
ACC0000000925	Hipri Steel Squeegee Holder	Hipri-SQF1-200H	200mm*60°*T0.3mm
ACC0000000926	Hipri Steel Squeegee Holder	Hipri-SQF1-220H	220mm*60°*T0.3mm
ACC0000000927	Hipri Steel Squeegee Holder	Hipri-SQF1-250H	250mm*60°*T0.3mm
ACC0000000928	Hipri Steel Squeegee Holder	Hipri-SQF1-280H	280mm*60°*T0.3mm
ACC0000000929	Hipri Steel Squeegee Holder	Hipri-SQF1-300H	300mm*60°*T0.3mm
ACC0000000930	Hipri Steel Squeegee Holder	Hipri-SQF1-350H	350mm*60°*T0.3mm
ACC0000000931	Hipri Steel Squeegee Holder	Hipri-SQF1-400H	400mm*60°*T0.3mm
ACC0000000932	Hipri Steel Squeegee Holder	Hipri-SQF1-410H	410mm*60°*T0.3mm
ACC0000000933	Hipri Steel Squeegee Holder	Hipri-SQF1-450H	450mm*60°*T0.3mm
ACC0000000934	Hipri Steel Squeegee Holder	Hipri-SQF1-500H	500mm*60°*T0.3mm
ACC0000000935	Hipri Steel Squeegee Holder	Hipri-SQF1-510H	510mm*60°*T0.3mm
ACC0000000936	Hipri Steel Squeegee Holder	Hipri-SQF1-650H	650mm*60°*T0.3mm
CP0000000407	Hipri Steel Squeegee Blade	Hipri-SQF1-L200*T0.3mm	L200*T0.3mm
CP0000000408	Hipri Steel Squeegee Blade	Hipri-SQF1-L220*T0.3mm	L220*T0.3mm
CP0000000409	Hipri Steel Squeegee Blade	Hipri-SQF1-L250*T0.3mm	L250*T0.3mm
CP0000000410	Hipri Steel Squeegee Blade	Hipri-SQF1-L280*T0.3mm	L280*T0.3mm
CP0000000411	Hipri Steel Squeegee Blade	Hipri-SQF1-L300*T0.3mm	L300*T0.3mm
CP0000000412	Hipri Steel Squeegee Blade	Hipri-SQF1-L350*T0.3mm	L350*T0.3mm
CP0000000413	Hipri Steel Squeegee Blade	Hipri-SQF1-L400*T0.3mm	L400*T0.3mm
CP0000000414	Hipri Steel Squeegee Blade	Hipri-SQF1-L410*T0.3mm	L410*T0.3mm
CP0000000415	Hipri Steel Squeegee Blade	Hipri-SQF1-L450*T0.3mm	L450*T0.3mm
CP0000000416	Hipri Steel Squeegee Blade	Hipri-SQF1-L500*T0.3mm	L500*T0.3mm
CP0000000417	Hipri Steel Squeegee Blade	Hipri-SQF1-L510*T0.3mm	L510*T0.3mm
CP0000000418	Hipri Steel Squeegee Blade	Hipri-SQF1-L650*T0.3mm	L650*T0.3mm

FOR MORE INFORMATION

BENTEC LTD

INFO@BENTEC-INT.COM
+44 (0) 1752 774812