Go23

Semi Automatic Programmable
SMD Stencil Printer with Vision System

During the past, the development of SMT technology has generated many new needs for print process. GO23 is an entire innovation, which takes over good properties of the predecessor GO3 together with practical experiencies from many customers. This system address main needs of today´s and future printing in small series flexible production.

Go23 - Easy and repeatable print process with low investment costs.

- Maximal printing area for 23" stencil
- Printing of very small chips, BGA, LGA structures
- Minimal pitch of squeegee edges.
- Fine control of snap-off process (speed, uniformity)
- Special console for the machine available to save shopfloor space

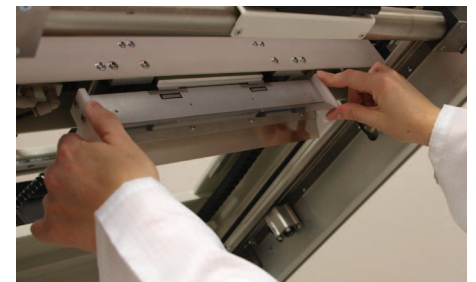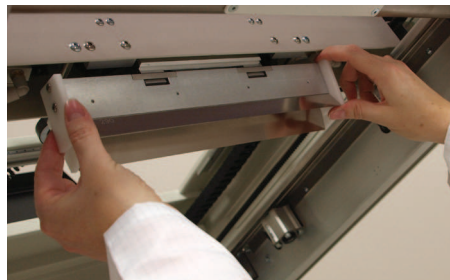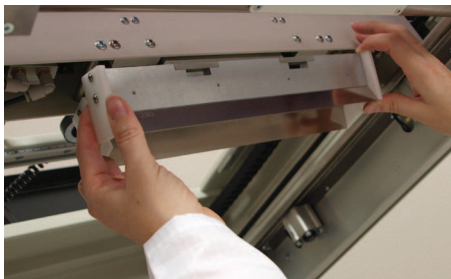## PLC controller with touch screen and programming capability.

MENU

AUTO	SETUP + MANUAL
SERVICE MENU	INFO +DEFECTS
SQUEEGEE HOME POSITION / TABLE HOME POSITION	MESSAGES

SERVICE MENU

SQUEEGEE SETUP	PANEL SETUP	MENU
INPUTS	OUTPUTS	
PASSWORDS	CONFIGURATION	

AUTO

SNAP-OFF SPEED:	6	Program: 99	MENU
SNAP-OFF DIST.:	2		
THICKNESS BOARD:	4.0		SETUP
OVER STENCIL:	1.5	PROCESSED BOARDS:	
PRINT SPEED :	150	999 DEL	BREAK
REAR STOPPER:	400	SQ. UP	
FRONT STOPPER:	0		FRAME POSITION:
PRINT STROKE Nr.:	10	SQ.1 SQ.2	
READY TO CYCLE			CLOSE

SETUP / MANUAL

SQ. REAR POSITION:	400	THICKNESS BOARD:	4.0	MENU
SQ. FRONT POSITION:	0	OVERLAP STENCIL POS.:	1.5	▲
PRINT SPEED:	150	SNAP-OFF SPEED:	6	
PRINT STROKE Nr.:	10	SNAP-OFF DISTANCE:	2.0	▼

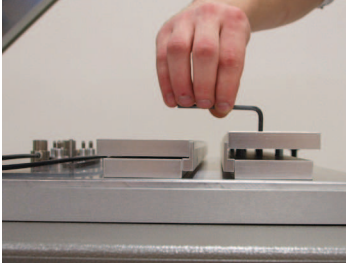| SQUEEGEE HOME POSITION		TABLE HOME POSITION		FRAME POSITION:
SQ. REAR	SQ. UP	TABLE UP		OPEN
SQ. FRONT	SQ.1 SQ.1	TABLE DOWN		

Unique Squeegees Clamping System

Go23 - Comfortable Setup and Handling

Easy opening with pneumatic servo- system. Stops at any angle. Wide total opening angle for easy stencil cleaning and table tool setting.

Adjustable clamping of the frames from 12" to 23" width

Adjustable magnetic board support of PCB for thickness from 0,5 to 4 mm. Space under PCB 24 mm. Vacuum PCB hold units.

Controlled height of squeegee lifting up to 40 mm. Print frame change w/o dismounting squeegee possible

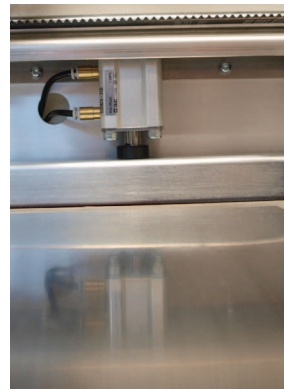Easy access to printing area for solder paste application

Extra wide opening angle

Comfortable handling of the cameras enables to find right posssition by laser spot

Fast PCB change thanks to partial opening possibility

Pneumatic clamping of print frame with thickness up to 40 mm.

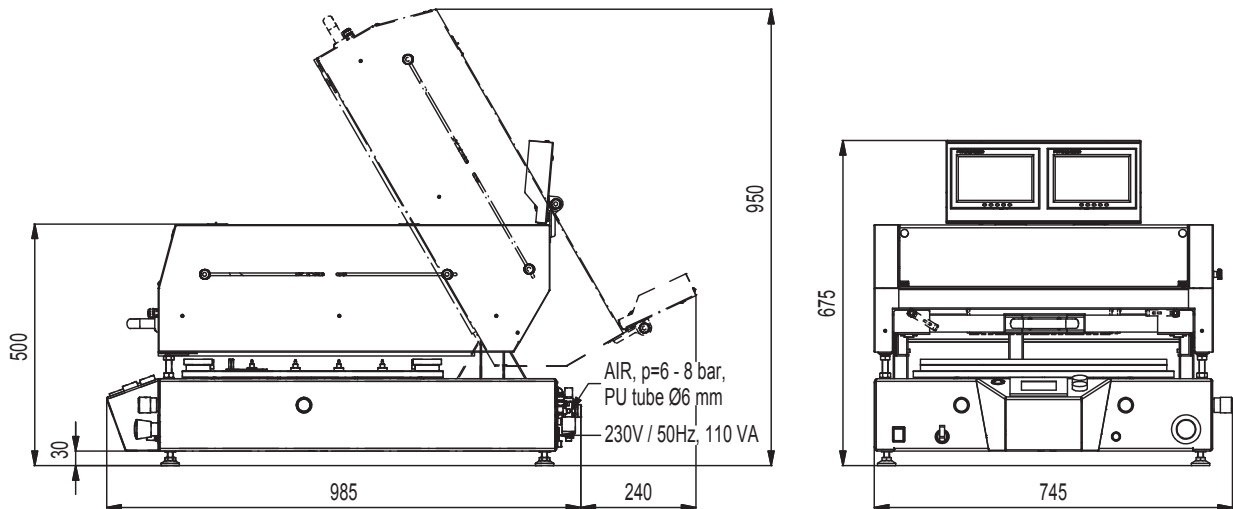## Better rigidity and accuracy of printing

Go23 - Technical Data

Data of machine

Stencil frame size: (W x L x H)	Maximal	600 x 600 x 33 mm, (23,6" x 23,6" x 1,3")
	Standard	584 x 584 x 18-33 mm, (23" x 23" x 0,7-1,3")
	Minimal	300 x 300 x 18 mm, (11,8" x 11,8" x 0,7)
Print table:		540 x 540 mm
Print area: (W x stroke)	Maximal	480 x 400 mm
	Minimal	50 x 60 mm
Squeegee width		210, 290, 370, 450, 490 mm
Frame weight	Maximal	8 kg
PCB dimensions: (W x L x H)	Maximal	510 x 420 x 4 mm, (20" x 16,5" x 0,16")
	Minimal	50 x 60 x 0.5 mm, (1,9" x 2,4" x 0,02")
Print cycle time:	Typical	15-30 s
Print accuracy:		±20 µm in 3δ
Camera system		Two color CCD cameras
Power supply:		L + N + PE, 230 V/ 50 Hz, protection T 2 A
		(for U.S.A. 110 V/ 60 Hz, protection B16A)
Pressure air:		Min. 6.0 Bar, max. 8 Bar, filtered 2 µm, 40 l/min.
Total weight:		90 kg
Dimensions: (W x L x H)		745 x 985 x 675 mm

Programmable parameters

Print Modus:	One or more print stroke
Print Speed:	20-150 mm/s
Print pressure:	20-100 N
Snap- off speed:	0,5-6 mm/s
Upper level of table setting:	0-5 mm
PCB thickness:	0,5-4 mm
Print stroke:	60-400 mm
Print table centering range:	X, Y, (theta): ±10 mm (± 3°)

AIR, p=6 - 8 bar,
PU tube Ø6 mm
230V / 50Hz, 110 VA