



The accuracy does matter!

Go29



Semiautomatic Programmable  
SMD Stencil Printer 29"  
with Vision System

[www.pbt.cz](http://www.pbt.cz)



## Go29 - Large print area with low investment costs.

- Maximal printing area for 29" stencil frames
- Flexible system with high repeatability
- Printing of very small chips, BGA, LGA structures

Adjustable clamping of the frames from 12" to 29" width

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

Extra wide opening angle for easy adju of PCB clamping system

Fast squeegee exchange - no screw connection!

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

Fast printed-to-new PCB exchange. Partial opening needed for handling.

Adjustable magnetic board support of PCB for thickness from 0,5 to 4 mm. Space under PCB 23,5 mm. Vacuum PCB hold units.

Easy access to printing area for solder paste application

Pull- and move camera fixation system  
Laser spot for pre-alignment of stencil to PCB position

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



# Go29 - Better rigidity and accuracy of printing



- Minimal pitch of squeegee edges.
- Fine control of snap-off process (speed, uniformity)
- Extremely slim print bridge makes the space for camera alignment larger
- Special metal stand for the machine available to save shopfloor space

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

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

SETUP / MANUAL			
SQ. REAR POSITION:	400	THICKNESS BOARD:	4.0
SQ. FRONT POSITION:	0	OVERLAP STENCIL POS.	1.5
PRINT SPEED:	150	SNAP-OFF SPEED:	6
PRINT STROKE N <sub>r</sub> :	10	SNAP-OFF DISTANCE:	2.0
SQUEEGEE HOME POSITION		TABLE HOME POSITION	
SQ. REAR	SQ. UP	TABLE UP	
SQ. FRONT	SQ.1 SQ.1	TABLE DOWN	
FRAME POSITION:			OPEN
FRAME POSITION:			CLOSE

SERVICE MENU		MENU
SQUEEGEE SETUP	PANEL SETUP	
INPUTS	OUTPUTS	
PASSWORDS	CONFIGURATION	

- PLC control system with touch screen
- Wide number of programable parameters
- 7" wide screens for stencil alignment gives high resolution

# Go29 - PLC controller with touch screen and programming capability

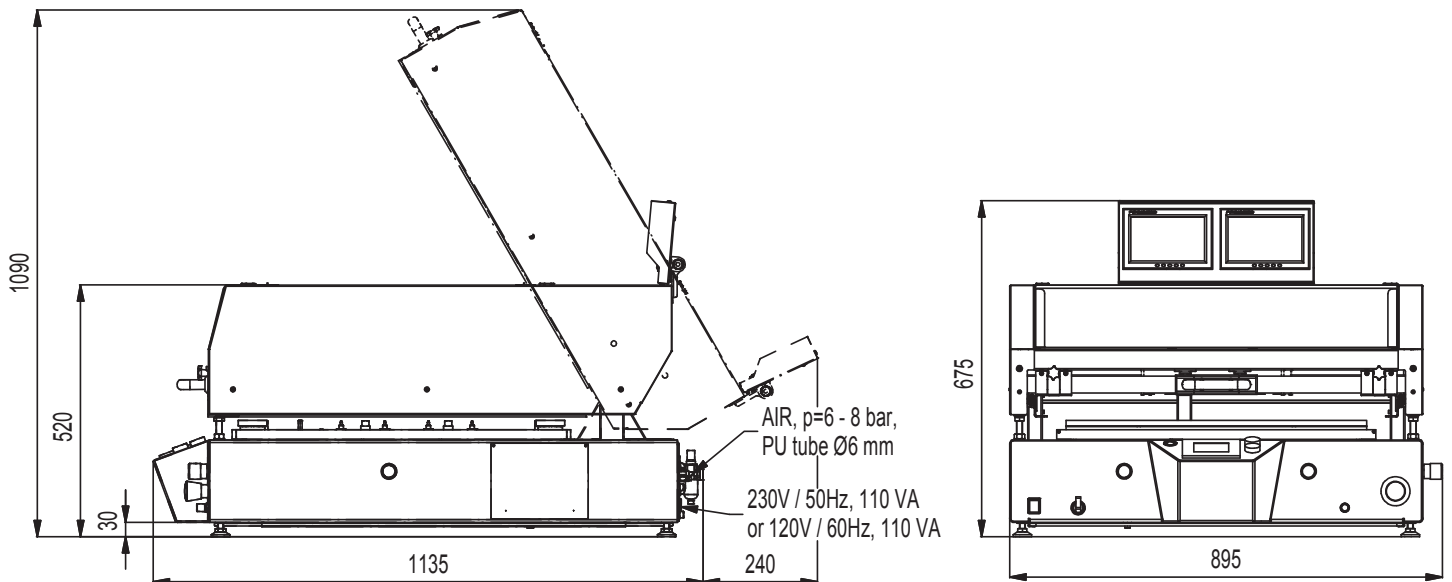
# Go29 - Technical Data

## Data of machine

Stencil frame size: (W x L x H)	Maximal	762 x 780 x 40 mm (30" x 30,7" x 1,5")
	Standard	737 x 737 x 40 mm, (29" x 29" x 1,5")
	Minimal	320 x 450 x 18 mm, (12,6" x 17,7" x 0,7)
Print table:		640 x 680 mm
Print area: (W x stroke)	Maximal	600 x 540 mm
	Minimal	50 x 60 mm
Squeegee width		210, 290, 370, 450, 490, 530, 610 mm
Frame weight	Maximal	8 kg
PCB dimensions: (W x L x H)	Maximal	620 x 550 x 4 mm, (24,4" x 21,6" 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 (20-35 s with double stroke)
Print accuracy:		±20 µm in 3σ
Camera system		Two color CCD cameras
Power supply:		L + N + PE, 230 V/ 50 Hz, protection B16A (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:		128 kg
Dimensions of machine:	W x L x H	895 x 1135 x 675 mm
Dimension of metal stand:	W x L x H	850 x 970 x 750 mm

## Programmable parameters

Print Modus:	One or more print stroke
Print Speed:	20-150 mm/s
Print pressure:	40-120 N
Snap- off speed:	0,5-6 mm/s
Upper level of table setting:	0-5 mm
PCB thickness:	0,5-4 mm
Print table centering range:	X, Y, (theta): ±10 mm (± 3°)



**PBT local distributor**

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