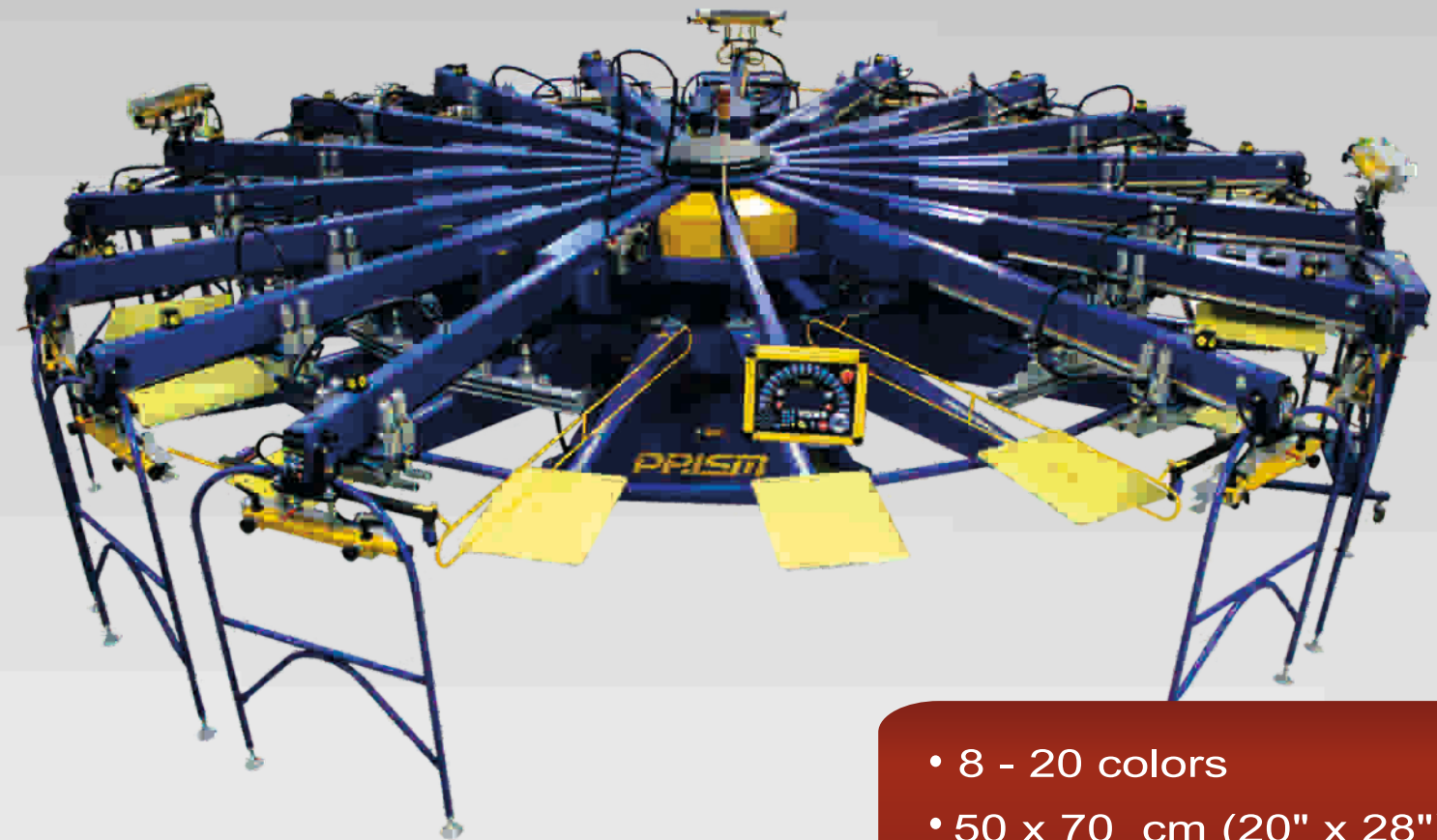


PRISM-SL	EVERY HEAD	MAXIMUM LENGTH EVERY HEAD	MAXIMUM LENGTH EVERY HEAD
8 COLORS			
10 COLORS			
12 COLORS			
14 COLORS			
16 COLORS			
18 COLORS			
20 COLORS			

■ MAXIMUM IMAGE AREA  
■ MAXIMUM SCREEN SIZE



- 8 - 20 colors
- 50 x 70 cm (20" x 28")

### SPECIFICATION

	PRISM 10/8	PRISM 12/10	PRISM 14/12	PRISM 16/14	PRISM 18/16	PRISM 20/18	PRISM 22/20
Stations / colors	10 / 8	12 / 10	14 / 12	16 / 14	18 / 16	20 / 18	22 / 20
Air pressure requirement	6.9 bar 300 l/min	6.9 bar 400 l/min	6.9 bar 500 l/min	6.9 bar 600 l/min	6.9 bar 700 l/min	6.9 bar 800 l/min	6.9 bar 900 l/min
Electrical requirements	400V, 3PH, 10 kW, 32A CEE-plug	400V, 3PH, 11 kW, 32A CEE-plug	400V, 3PH, 12 kW, 32A CEE-plug	400V, 3PH, 13 kW, 32A CEE-plug	400V, 3PH, 14 kW, 32A CEE-plug	400V, 3PH, 15 kW, 32A CEE-plug	400V, 3PH, 16 kW, 32A CEE-plug
Machine's diameter	480 cm	520 cm	545 cm	588 cm	635 cm	680 cm	720 cm
Max image area	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")	50 x 70 cm (20 x 28")
Max length image area	40 x 90 cm (15 x 35")	30 x 110 cm (12 x 43")	30 x 110 cm (12 x 43")	30 x 110 cm (12 x 43")	30 x 120 cm (12 x 47")	40 x 110 cm (15 x 43")	40 x 110 cm (15 x 43")
Max image area (Alternating print heads)	90 x 90 cm (35 x 35")	90 x 110 cm (35 x 43")	90 x 110 cm (35 x 43")	90 x 110 cm (35 x 43")	90 x 120 cm (35 x 47")	90 x 110 cm (35 x 43")	90 x 110 cm (35 x 43")
Max screen size	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")	66 x 110 cm (26 x 43")
Max length screen size	56 x 130 cm (22 x 51")	46 x 150 cm (18 x 59")	46 x 150 cm (18 x 59")	46 x 150 cm (18 x 59")	46 x 160 cm (18 x 63")	56 x 150 cm (22 x 59")	56 x 150 cm (22 x 59")
Max screen size (Alternating print heads)	116 x 110 cm (45 x 43")	116 x 150 cm (45 x 59")	116 x 150 cm (45 x 59")	116 x 150 cm (45 x 59")	116 x 160 cm (45 x 63")	116 x 150 cm (45 x 59")	116 x 150 cm (45 x 59")
Shipping weight	2650 kg	2910 kg	3120 kg	3380 kg	3680 kg	4100 kg	4500 kg
Standard pallet size	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")	41 x 56 cm (16 x 22")

### THE PRISM-SL SERIES

#### PRISM-SL series

PRISM-SL is developed version of PRISM II, with longer print stroke, very precise strong motion and best quality elements.

Huge print area is big advantage of PRISM-SL, also in most popular, smaller machines like 10, 12, 14 colors. We achieved longest print length comparing to machine's diameter in industry. Strong chopper cylinder with optional long support tubing for SQUEEGES helps to provide constant pressure along squeegee, up to 90 cm of print width. Four axis micro adjustment solves the problem of long screens registration.

Optional one stroke double indexer makes huge format as fast as standard print.

Side screen holders are still available for any machine size.

Optional vacuum system for graphic printing available, with easy operation LOADING and UNLOADING stations.

Full control over the machine from head keypad saves time for operator.

Advanced operators safety system consists of :

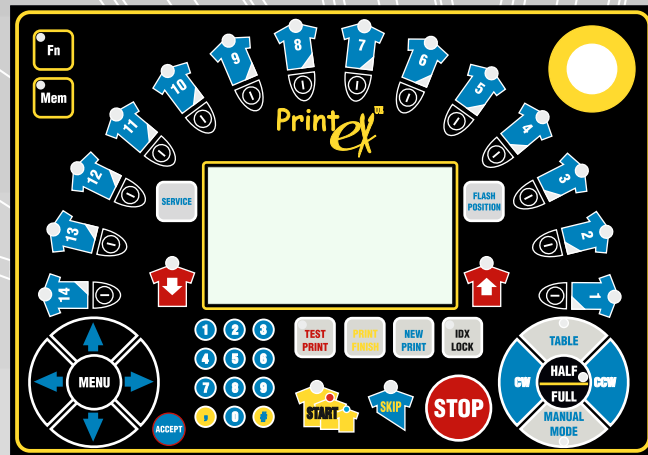
- clear machine's light tower info system .
- inter-station safety bars chain with 2 motion disable side bars for operator's position
- solid bar limiting operators access to danger zone on LOADING and UNLOADING stations

Electronic off contact combined with MULTIPRINT function and SEQUENCE print programming gives extra 3-D print option. One touch, direct on print head, mesh to pallet central OFF-CONTACT change is easiest way to set off-contact.

Ink curing as very important part of printing process is fully under control with CLH flashes working with temperature sense, power and time setting. With FLASH INDEX function flash controls the time frame of INDEX CYCLE. FLASH INDEX function gives great control over cold and hot pallets, there is no need for different settings for them. Flash socket on each head make easy connectivity. For double index prints we offer CLH scan version (lower total power) fully integrated with software.

Advanced software gives possibility for demanding prints, speeding up the process, saves energy, in some cases eliminates additional equipment.

We believe PRISM-SL is reliable tool with big potential for printing.



The PRISM-SL touch pad control gives easy and convenient access for all function and setting

## STANDARD FEATURES

### Rotation

- Precision, stronger servo drive (parametric for different pallet weight for smooth rotation), both direction drive (CW and CCW)
- servo driven indexing in combine with MULTIPRINT FLASHING saves extra color
- New slide bearings adjusted in +/- 0,01 mm for precision of movement

### Lifting

- Precision servo drive with spring, precisely sets the central off-contact repeatably in each cycle, combined with SEQUENCES feature creates 3-D print possibility
- One touch off-contact setting by screen-to-pallet finger touch directly on print head
- Advanced multi-print with MULTIPRINT SETUP function implemented

### Print head

- Keypad panel with all head functions and machine motion functions access
- AC driven carriage travel with frequency converter for speed and torque control
- Pneumatic screen locks and squeegees locks, self locking after START
- Squeegee double dust sealed cylinders
- longest standard carriage travel rail (length depending on machine size)
- both sides print length adjustment, carriage hand manipulation fault proof
- *Constant print area rule* allows to move along characteristic with print length and width

### Advanced programming functions

- SEQUENCE PRINTING
- MULTIPRINT FLASHING
- FLASH INDEX
- ONE TOUCH OFF-CONTACT

### Screen Locks

- pneumatic screen locks controlled from key pad, additional manual clamps for pressure

### Registration

- upper division tolerance (directly responsible for print registration quality) in range of +/-0,01 mm, for average printing point on pallet means deviation of +/- 0,025 mm.
- front micro-alignment (3 axis) and rear (1 axis)
- fast print alignment with *floor light* pallet

### Squeegee and flood bar

- independently squeegee and flood print setting
- squeegee air pressure regulator with glass gauge
- too-less squeegee and flood bar angle adjustment
- one touch fast squeegee and flood locks

### Warranty and service

- 2 year warranty
- service agreement on special conditions

## ADDITIONAL OPTIONS FOR CUSTOMIZATION AND MULTITASK

- VACUUM ROTARY SYSTEM for transfer paper printing (Independent vacuum pumps for each print arm, rotary power distribution system, set of vacuum pallets and valves, independent LOAD / UNLOAD control)
- IR FLASH SCANNING SYSTEM
- UV FLASH SCANNING SYSTEM
- Choice of pallets and squeegees

A fully-featured touch-pad on each print arm allows the following functions to be carried out at any point around the press

- TEST PRINT also for Flash
- FREE WHEEL or half-index for quick access to the screen
- Both direction INDEX
- STOP of the machine.
- Manual squeegee / flood and table up / down control for setup
- Quick lock / unlock of screen and squeegees clamps, auto lock feature
- ONE TOUCH off-contact setting

