

FEATURES

DESCRIPTION	465	645	885	8115
ALTERNATE SINGLE & DOUBLE PRINT MODES	S	S	S	S
CONTACT/OFF CONTACT PRINTING	S	S	S	S
ADJUSTABLE FLOOD STROKE	S	S	S	S
AUTOMATIC PARTS EJECTION	NA	S	S	S
DIAL INDICATOR READOUT FOR X, Y AND Z SCREEN POSITIONING	Z ONLY	S	S	S
PRINTED PARTS COUNTER	O	O	O	O
MICROMONITOR II	O	O	O	O
AUTOMATIC SQUEEGEE HEADLIFT	S	S	S	S
RECIRCULATING PUMPED HYDRAULIC SQUEEGEE DRIVE	O	O	O	S

DESCRIPTION	465	645	885	8115
AUTOMATIC VACUUM CONTROL	S	S	S	S
VACUUM PUMP (INSTALLED)	O	O	O	O
VACUUM PULL-THRU SYSTEM	O	O	O	O
CAMBER SENSOR	NA	O	O	O
S.O.S. SENSOR	NA	O	O	O
AUTOMATIC PARTS SNUGGER	NA	O	O	O
TAKE-OFF CONVEYOR HEAD	NA	O	O	O
AUTOMATIC MAGAZINE LOADERS	NA	O	O	O
COLLOCATOR	NA	O	O	O
PLEXIGLASS HEAD COVER	S	O	O	O

S - STANDARD

O - OPTIONAL

NA - NOT AVAILABLE

SPECIFICATIONS

PARAMETER	465	645	885	8115
TYPE	CONTACT ON/OFF	CONTACT ON/OFF	CONTACT ON/OFF	CONTACT ON/OFF
SQUEEGEE DRIVE	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC
SQUEEGEE HOLDER (SPECIFY)	4.0", 5.5"	4.0", 5.5"	4.0", 5.5", 6.5", 8.5"	4.0", 5.5", 6.5", 8.5", 12"
SQUEEGEE SPEED (STANDARD)	0-10 IN/SEC.	0-10 IN/SEC.	0-10 IN/SEC.	0-10 IN/SEC.
SQUEEGEE SPEED (HYDRAULIC PUMP)	0-20 IN/SEC.	0-20 IN/SEC.	0-20 IN/SEC.	0-20 IN/SEC.
SQUEEGEE PRESSURE	TORSION BAR	TORSION BAR	TORSION BAR	TORSION BAR
SCREEN HOLDER AND SQUEEGEE PARALLEL TO WORKHOLDER	± .001 TIR	± .001 TIR	± .001 TIR	± .001 TIR
SCREEN SIZES IN. (SPECIFY)	UP TO 8" X 10"	UP TO 8" X 10"	UP TO 14" X 14"	UP TO 12" X 17"
MAXIMUM PRINT AREA*	4" X 6"	3" X 3"	8" X 8"	8" X 12"
MAXIMUM SUBSTRATE SIZE*	4.5" X 6"	3" X 4"	8" X 8"	9" X 12"
SUBSTRATE HEIGHT	33" - 38"	33" - 38"	33" - 38"	33" - 38"
ROTARY ADJUSTMENT	10° RANGE	10° RANGE	10° RANGE	10° RANGE
X, Y, AND Z ADJUSTMENT	1" TRAVEL	1" TRAVEL	1" TRAVEL	1" TRAVEL
CARRIAGE REPEATABILITY	+ .0005"	+ .0005"	+ .0005"	+ .0005"
CYCLE TIME	OPERATOR DEPENDENT	3 SEC. MIN.	3.5 SEC. MIN.	4.5 SEC. MIN.
AIR REQUIRED (DRY)	80 PSIG, 6 SCFM	80 PSIG, 6 SCFM	80 PSIG, 10 SCFM	80 PSIG, 10 SCFM
ELECTRIC REQUIRED	115V, 50/60 HZ., 25A	115V, 50/60 HZ., 30A	115V, 50/60 HZ., 30A	115V, 50/60 HZ., 30A
VACUUM REQUIRED	25", 4 CFM	25", 4 CFM	25", 10 CFM	25", 10 CFM
OVERALL HEIGHT	45"	47"	48"	48"
OVERALL WIDTH	36.5"	34.5"	44"	45.25"
OVERALL DEPTH	37.5"	33"	45.5"	58"
NET WEIGHT	555 LBS.	1060 LBS.	2290 LBS.	2400 LBS.
SHIPPING WEIGHT	635 LBS.	1265 LBS.	2560 LBS.	2680 LBS.

*AREA IS REDUCED WHEN AUTOMATION MODULES ARE ADDED



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Options:

- Squeegee Speed Timer
- Printed Parts Counter
- Plexiglass Head Cover
- Camber Sensor
- S.O.S. Sensor
- Automatic Parts Snugger
- Parts Pre-Loader
- Collocator (includes transfer mechanism in lieu of tilt chute and rollers)
- Automatic Magazine Loader
- Vacuum Pump (Installed)
- Tooled or Blank Workholder Plates
- Recirculating Pumped Hydraulic Squeegee Drive

For additional information see *Printer Options and Accessories* brochure.

Specifications:

Type: Contact/Off-Contact

Squeegee Drive: Hydraulic

Screen Size: 12" x 12" (Option:
5" x 5", 5" x 7", 7" x 8", 8" x 10")

Maximum Print Area: 8" x 8"

Maximum Substrate Size: 8" x 8"

X, Y and Z Adjust: 1" travel (dial indicated)

Rotary Adjust: 10° travel (Vernier indicated)

Squeegee Speed: 0-10 IPS (to 20 IPS with
optional recirculating pump)

Squeegee Pressure: Torsion Bar Control

Carriage Repeatability: $\pm .0005"$

Squeegee Holder: 8½" (Option:
4", 5½", 6½")

Screen Holder and Squeegee parallel to
work holder: $\pm .001"$ TIR

Cycle Rate: 3 Seconds Min.

Net Weight: 2030 lbs.

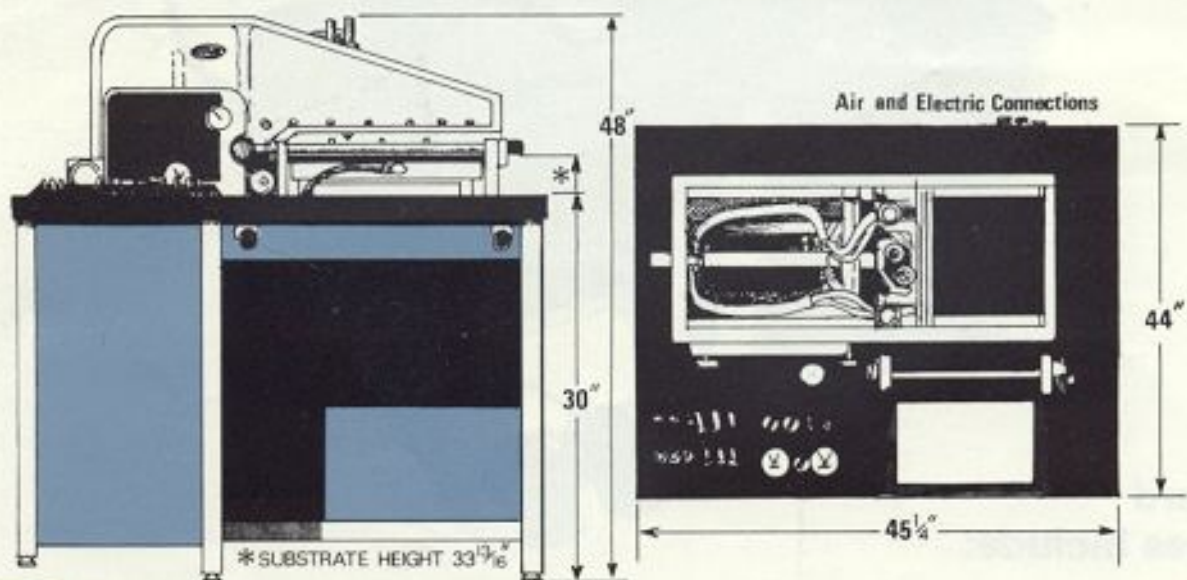
Shipping Weight: 2340 lbs.

Services Required:

Air (dry), 80 psig, 10 cfm

Electric: 115V, 50/60 Hz, 30 AMP

Vacuum, 25" Hg, 4 cfm



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PRESCO

DIVISION

When the CP-885 was introduced in its original form in 1971 it was the first commercially available thick-film screen printer with 12" x 12" screen capability. In the ensuing years the unit has continued to be the industry's most popular such printer and has been utilized not only for precision thick-film and hybrid work but also for LCD, Gas Discharge, Vacuum Fluorescent and other panel displays as well as photovoltaic cells and large area circuit deposition on P.C. boards, mylar, glass, porcelainized steel and other substrate materials.

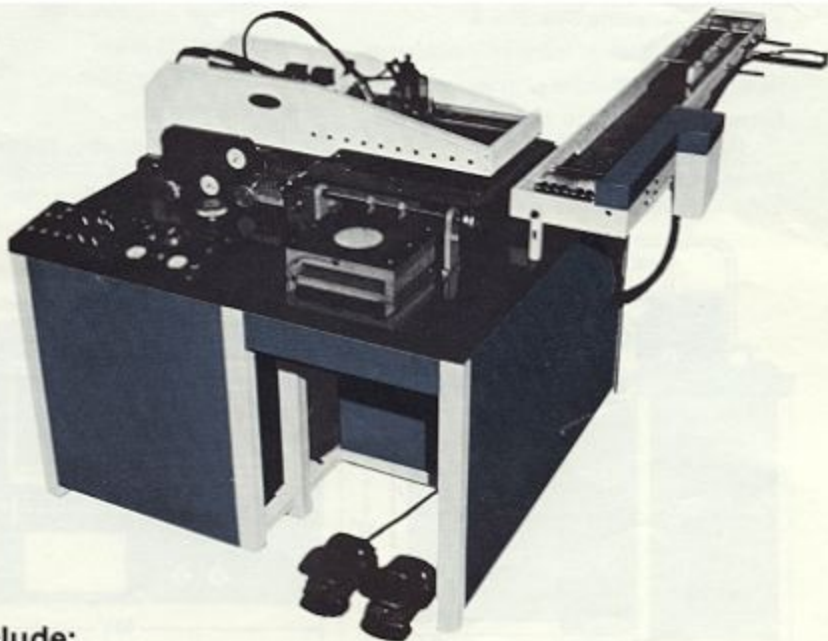
The newest version of the CP-885 includes the remarkable Mark III Torsion Bar Squeegee Head, fully independent parametric adjustments, end point programmed control logic, automatic carriage and automatic ejection among its standard features.

Superior print repeatability in both thickness control and registration accuracy are assured by both design and construction. This massive construction (over 1 ton net weight) of the CP-885 belies its simple set-up and ease of operator use. Almost 1000 units in the field attest to the reliability and long-term value of this precision production tool.

Numerous options, all of which are retrofitable, enable the CP-885 to be tailored exactly to the customer's requirements, whether they include maximum changeover versatility, fully automatic cartridge to cartridge processing or a special application requiring special tooling or system configuration.

Precision productivity in a single 12" x 12" screen printer for now. . . . for the future.

CP-885 Shown With Collocator



Standard Features include:

- Mark III Torsion Bar Squeegee Head with micrometer adjust squeegee force, down stop, and adjustable attack angle.
- Contact and Off-Contact print capability with controlled breakaway in Contact mode.
- Automatic Squeegee Head Lift
- Dial Indicator readouts for X, Y and Z screen positioning.
- Alternate, single and double print cycles with adjustable flood stroke.
- Adjustable automatic vacuum control.
- Hydraulic Squeegee Drive, adjustable stroke from 2" to 10".
- Automatic Parts Ejection and tilt chute (Collocator optional).
- Screen Assembly and Squeegee easily adjusted for parallelism.