

# GENERAL SPECIFICATIONS FOR PEERLESS M27E PAPER PLATE AND TRAY FORMING MACHINES

## MECHANICAL SPECIFICATIONS

DESCRIPTION	M27E
LENGTH with Roll Stand and Counter-Stacker	25 FT (7.62 M) + additional 35 in (889 mm) for stacker removal
WIDTH/Floor space required for paper roll changes, maintenance access, etcetera	91 in (2.31 M)
HEIGHT (Press Section)	90.5 in (2.3 M)
WEIGHT (Approximate) Machine, Counter-Stacker, Vertical Lift Roll Stand	20,000 LBS (9,072 KG)
STEEL RULE CUTTING OR CUT/SCORE SECTION	75 Ton (665 kN)
FORMING SECTION	24 Ton (210 kN)
MAXIMUM ADJUSTABLE FORMING STROKE	5 in (127 mm)
MAXIMUM FORMING DEPTH	2 in (50.8 mm)
CUTTING STROKE WHILE IN PRODUCTION	.5 in (12.7 mm)
MAXIMUM CUT DIE OPENING FOR DIE SERVICE	3.5 in (88.9 mm)
INSIDE FRAMERAIL TO FRAMERAIL	27 in (685.8 mm)
MINIMUM ROLL WIDTH	14.5 in (368.3 mm)
MAXIMUM ROLL WIDTH	25.5 in (647.7 mm)
MAXIMUM ROLL DIAMETER	60 in (1524 mm)
MAXIMUM ROLL WEIGHT	2050 LBS (930 KG)
AVAILABLE CORE SIZES	8 in, 12 in, 200 mm, 300 mm
MAXIMUM NUMBER WIDE OPERATION	3
MAXIMUM ROUND BLANK DIAMETER FOR 2 WIDE	13.25 in (336.5 mm)
MAXIMUM ROUND BLANK DIAMETER FOR 3 WIDE	9 in (228.6 mm)
MAXIMUM RECTANGULAR BLANK WIDTH FOR 2 WIDE	12.375 in (314.3 mm)
MAXIMUM RECTANGULAR BLANK WIDTH FOR 3 WIDE	8.125 in (206.4 mm)
MAXIMUM BLANK LENGTH (DEPENDING UPON PART GEOMETRY)	18 in (457.2 mm)
PRINT TO CUT REGISTRATION	± .015 in (.38 mm)
AIR CONSUMPTION	20 CFM at 80 PSI (9.5 L/S at 5.5 BAR)

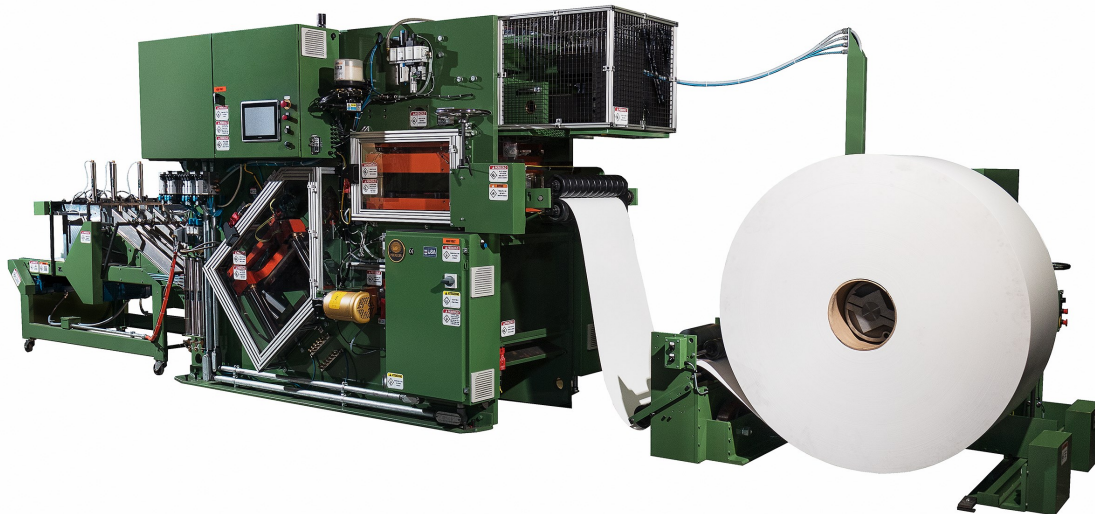
## ELECTRICAL SPECIFICATIONS

DESCRIPTION	M27E
STANDARD INPUT SPECIFICATIONS (Other voltages and frequencies are available upon request.)	480 V, 3 PH, 60 HZ
CUTTING SECTION SERVO MOTOR	21 HP (15.7 KW)
FORMING SECTION SERVO MOTOR	26.15 HP (19.5 KW)
FEED STEPPER DRIVE MOTOR	1.3 HP (.99 KW)
ROLL STAND LIFT MOTOR	1.5 HP (1.12 KW)
ROLL STAND PULL ROLL MOTOR	1 HP (.75 KW)
STACKER MOTORS	1 HP (.75 KW)
DISCHARGE CONVEYOR MOTOR	.50 HP (.37 KW)
BASIC CONTROL CIRCUIT	24 V.D.C.
DIE HEATERS	240 V, 1 PH, 60 HZ
ESTIMATED POWER CONSUMPTION IN PRODUCTION	50 KW per Hour

The policy of Peerless Machine & Tool Corporation is one of continued improvement in both design & manufacture, wherever possible, to ensure a still finer product. Hence, specifications, equipment, and prices are subject to change without notice.

### M27E MACHINE LINE FEATURES:

- **Designed for narrow web converting applications and economics.**
- **Servomotor driven linear actuators provide quiet, dependable power removing the need for hydraulics.**
- **Improved head and base design utilizing caps for ease of maintenance on posts & bushings.**
- **Updated guarding for improved operator visibility.**
- **Quick-tooling changeovers for maximum production flexibility.**
- **HMI operator interface for 3 axes of digital machine control.**
- **Utilizes steel rule cutting or cutting/scoring to reduce initial die cost and maintenance expenses.**
- **Adjustable forming section dwell and stroke allows machine setting to be tailored to each specific product resulting in optimum quality and production speeds.**
- **Automatic lubrication system to assist in preventive maintenance.**
- **Interlock guarding for operator safety.**



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