

### TP3020 Series Hydraulic Thermoforming Presses

Forms Solid Paperboard and Corrugated  
Materials Into Three Dimensional Shapes

#### Features

- Blank fed
- Utilize existing printing and diecutting assets
- Produces up to 150 trays/min\*
- Adjustable dwell and stroke height
- Adjustable force
- PLC Touchscreen
- Capable of simultaneously making multiple sizes
- Produces trays from solid board or corrugated materials

\* 50 SPM, 3 Out

#### Applications

- Frozen Foods
- Fast Food/Carryout
- Pizza
- Bakery
- Consumer Retail
- Food Service
- Protective Packaging
- Commercial/Industrial
- Medical Packaging
- Meat/Seafood Packaging
- Agricultural Packaging



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# GRALEX TP3020 SERIES HYDRAULIC PRESS SPECIFICATIONS

	TP3020X5-2	TP3020X5-3	TP3020X14-2	TP3020X14-3
Number of Dies	1 or 2	1, 2 or 3	1 or 2	1, 2 or 3
Forming Die Area (Useable Bolster Area)				
Width	30" (762mm)	30" (762mm)	30" (762mm)	30" (762mm)
Feed Direction	20" (508mm)	20" (508mm)	20" (508mm)	20" (508mm)
Maximum Forming Force	32,000lbs (142kN)	32,000lbs (142kN)	32,000lbs (142kN)	32,000lbs (142kN)
Max Speed for 3/4" (19mm) Plate or Tray	50 SPM, 100 PPM*	50 SPM, 150 PPM*	50 SPM, 100 PPM*	50 SPM, 150 PPM*
Maximum Forming Depth	1.75" (45mm)	1.75" (45mm)	4" (102mm)	4" (102mm)
Maximum Forming Stroke	5" (127mm)	5" (127mm)	14" (355mm)	14" (355mm)
Forming Die Orientation	Female Top	Female Top	Female Top	Female Top
Part Ejection Method	Via Draw Ring	Via Draw Ring	Via Draw Ring	Via Draw Ring
Minimum Blank Size				
Length	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)
Width	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)
Maximum Blank Size				
1-Up				
Length	20" (508mm)	20" (508mm)	20" (508mm)	20" (508mm)
Width	29" (736mm)	29" (736mm)	29" (736mm)	29" (736mm)
Diameter	20" (508mm)	20" (508mm)	20" (508mm)	20" (508mm)
2-Up				
Length	20" (508mm)	20" (508mm)	20" (508mm)	20" (508mm)
Width	14.5" (368mm)	14.5" (368mm)	14.5" (368mm)	14.5" (368mm)
Diameter	14.5" (368mm)	14.5" (368mm)	14.5" (368mm)	14.5" (368mm)
3-Up				
Length		20" (208mm)		20" (208mm)
Width		9.25" (233mm)		9.25" (233mm)
Diameter		9.25" (233mm)		9.25" (233mm)
Control System	Touchscreen	Touchscreen	Touchscreen	Touchscreen
Hydraulic Motor	10HP (8kW)	10HP (8kW)	10HP (8kW)	10HP (8kW)
Feeder System				
Type	Vacuum Pick & Place	Vacuum Pick & Place	Vacuum Pick & Place	Vacuum Pick & Place
Drive System	Air Cylinder	Air Cylinder	Air Cylinder	Air Cylinder
Vacuum Pump	.75HP (.6kW)	.75HP (.6kW)	.75HP (.6kW)	.75HP (.6kW)
Die Heaters				
Number of Circuits	2 Upper, 2 Lower	3 Upper, 3 Lower	2 Upper, 2 Lower	3 Upper, 3 Lower
Power Per Circuit	230V/1PH/50Hz - 5kW	230V/1PH/50Hz - 5kW	230V/1PH/50Hz - 5kW	230V/1PH/50Hz - 5kW
Total Power Requirements				
Type	400V/3PH/50Hz	400V/3PH/50Hz	400V/3PH/50Hz	400V/3PH/50Hz
Consumption	26.4kW	36.4kW	26.4kW	36.4kW
Air Consumption				
Pressure	80psi (5.5 atm.)	80psi (5.5 atm.)	80psi (5.5 atm.)	80psi (5.5 atm.)
Volume	18 cfm (9dm3/sec)	25 cfm (12dm3/sec)	18 cfm (9dm3/sec)	25 cfm (12dm3/sec)
Automatic Stacker	Standard	Standard	Standard	Standard

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\* SPM = Strokes Per Minute  
PPM = Parts Per Minute