

### HS Series Hydraulic Thermoforming Presses

Forms Solid Paperboard and Corrugated  
Materials Into Three Dimensional Shapes

**New High Speed  
Model Available  
Up to 38"  
(965mm) Wide  
with Up to 5 Dies**

#### Features

- Blank fed
- Utilize existing printing and die cutting assets
- Produces up to 280 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

\* 56 spm, 5 dies wide

#### 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 HS SERIES HYDRAULIC PRESS SPECIFICATIONS

**Approximately 15% Faster Than TP Series**  
**Now Available In Widths Up to 965mm (38")**

DESCRIPTION	HS3020X14-3	HS3820X14-3
Number of Dies	1, 2 or 3*	1, 2 or 3*
Forming Die Area (Useable Bolster Area)		
Width	30" (762mm)	38" (965mm)
Feed Direction	20" (508mm)	20" (508mm)
Maximum Forming Force	32,000lbs (142kN)	32,000lbs (142kN)
Max Speed for 3/4" (19mm) Plate or Tray	<b>56 SPM, 168 PPM **</b>	<b>56 SPM, 168 PPM **</b>
Maximum Forming Depth	4" (102mm)	4" (102mm)
Maximum Forming Stroke	14" (355mm)	14" (355mm)
Forming Die Orientation	Female Top	Female Top
Part Ejection Method	Via Draw Ring	Via Draw Ring
Minimum Blank Size		
Length	5" (127mm)	5" (127mm)
Width	5" (127mm)	5" (127mm)
Maximum Blank Size		
1-Up		
Length	20" (508mm)	20" (508mm)
Width	29" (737mm)	37" (940mm)
Diameter	20" (508mm)	20" (508mm)
2-Up		
Length	20" (508mm)	20" (508mm)
Width	14.5" (368mm)	18.5" (470mm)
Diameter	14.5" (368mm)	18.5" (470mm)
3-Up		
Length	20" (508mm)	20" (508mm)
Width	9.25" (233mm)	11.875" (302mm)
Diameter	9.25" (233mm)	11.875" (302mm)
Control System	Touchscreen	Touchscreen
Hydraulic Motor	10HP (8kW)	10HP (8kW)
Feeder System		
Type	Lead Edge	Lead Edge
Drive System	Air Cylinder	Air Cylinder
Vacuum Pump	.75HP (.6kW)	.75HP (.6kW)
Die Heaters		
Number of Circuits	3 Upper, 3 Lower	3 Upper, 3 Lower
Power Per Circuit	230V/1PH/50Hz - 5kW	230V/1PH/50Hz - 5kW
Total Power Requirements		
Type	400V/3PH/50Hz	400V/3PH/50Hz
Consumption	36.4kW	36.4kW
Air Consumption		
Pressure	80psi (5.5 atm.)	80psi (5.5 atm.)
Volume	25 cfm (12dm3/sec)	25 cfm (12dm3/sec)
Automatic Stacker	Standard	Standard

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\* Std. 3 Up; **Can Be Special Ordered 4 or 5 Up**  
\*\* SPM = Strokes Per Minute  
PPM = Parts Per Minute