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EMI Prototype PCB Series

EMI's prototype core machines, the PCB series, provide manually assisted core centers designed to produce prototype cores in wood or polyurethane box construction. PCB series machines accommodate horizontally or vertically-parted existing tooling, while utilizing a low-pressure blow head to increase core box life. Throughout the machine cycle, the tooling is manually transferred on a tooling cart from the blow station to the gas station to the strip station. These all-pneumatic systems can be engineered to blow core capacities of 30 to 200 pounds.



SPECS	PCB 30	PCB 150	PCB 200
Width	4' 2"	4' 4"	6' 3"
Length	12'	18' 8"	approx. 25'
Height	approx. 8'	approx. 9'	approx. 13' 3"
Blow Valve	3"	4"	4"
Sand Magazine Dimensions	22 x 28"	38 x 40"	54 x 36"
Effective Magazine Blow Area	18 x 24"	34 x 36"	50 x 32"
Max Blow Capacity - lbs.	30	150	200
Machine Weight - lbs.	5,200	6,500	9,000
Daylight	26.00"	26.25	48.00
Max Box Size	24" high x 26" wide x 32" long	24" high x 38" wide x 40" long	46" high x 43" wide x 67" long
HYDRAULIC POWER UNIT			
Reservoir Volume - gallons			50
Motor			15 HP
Operating Pressure - PSI	80-100 PSI		200 Gal./Min. 2000 PSI Max
Operator Station	Elect: 120V AC, 10 AMP, 50/60 Hz. Required		Allen Braley SLC-5 Series Controls "T-Cat" access module for operation with a programmable controller
Air Consumption @ 80 PSI Machine Cycle, no gas generator	Average 12 SCF/Cycle	Average 30 SCF/Cycle	