



# Machining Services

Valmet Power's machining facility features the CNC Machining Henri Line Drill Mill that is designed for the production of headers up to 42" in diameter. The Machining Center is capable of handling header lengths (x-axis) from 3' to 42' (up to 60' with multiple setups), widths (y-axis) of 75" and heights (z-axis) of 44" (48" with v-blocks). Both 4 and 5-axis are available with a universal head mounted on the horizontal axis. The centers 3 jaw chuck will accommodate diameters from 4" to 24". Machine accuracy is 0.0005" total error.

Any angle hole or surface can be machined to fabricate parts such as:

- Fixtures
- Hangers
- Air heater tube sheets
- Hand hole plates
- Burner doors



Machining Capabilities		
Henri Line Drill Mill Machining Center	3-Jaw Chuck	4" to 24" diameter
	Accuracy	0.0005" for each 12" of travel, 0.005" total error
	Header End Preps	up to 24" diameter
	OD	3" to 42"
	Weight	11 tons/20 tons under crane
	Working Envelope	43" x 75" x 48"
CNC Machining Center Mac Bore Mill	11 ton capacity 42" OD 43' length Model J-3071	
Willis Horizontal Mill	Machining envelope	10" x 50"
	Model 1050	
Willis Lathe	Length	50"
	Model CP1550	
	OD	15"
Toolroom Equipment	IKEDA Radial Arm Drill Press	Model RM5-9
	Iron Worker, 6509-24M	65 ton
	RIGID Pipe Threader	Model 535, 2" OD
	Strippit Hole Punch Press	Suoer 30/4
	TIME SAVER	Series 1200

Finishing Services		
Shot Blasting	Econoline	21" x 27" x 12"
Stress Relieving	Clamshell	2' 8" x 3' 7" x 14' 10"
Product Marking	Etching, Indenting, Engraving	

Process Information	
Engineering & Design Capabilities	Valmet Engineers can design and enter part specifications into SolidWorks allowing them to move from 2D to 3D CAD with ease, ensuring that each steel part is cut to the same exacting specifications and precise dimensions. SolidWorks 3D CAD software allows for accurate 3D models that automate a full range of design and development processes, reducing costs, and improving product quality. This expedites production and increases reliability through use in all of productions CNC and Laser Cutting applications.
Crane Capacity	Valmet has the ability to fabricate large weldments with 20 ton crane capacity and 25' under hook floor clearance. Example products include back-end ductwork on power plants and heavy equipment vortex finders.
Tooling Inventory	Valmet holds a large supply of machine tooling in stock. A broad range of tooling provides for fast and efficient turnaround services to our customers. Please note: Longer lead times are expected with specialty tooling requirements.
Preferred Drawing Submission	PDMS, AutoCAD, SolidWorks, CAM Works
Location	Charlotte, NC Lancaster, SC

## Valmet Power Service

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