

INNOVATIVE STEEL
FABRICATING
TECHNOLOGIES

Peddinghaus



FDB 2500

BENCHMARK FLAT DRILL BURN
PLATE PROCESSING SYSTEM





HIGH SPEED PLATE PROCESSING SOLUTIONS

THE INDUSTRY'S BENCHMARK PLATE PROCESSOR

Peddinghaus originally pioneered the efficient concept of the plate processor and has once again set the standard with the Peddinghaus FDB 2500. By placing high definition plasma cutting, versatile oxy-fuel cutting, high speed carbide drilling, carbide part marking, and the world's most efficient method of material handling into one small footprint the FDB 2500 is the steel fabricating community's foremost leader for plate production profitability.

THREE SPINDLE DRILLING

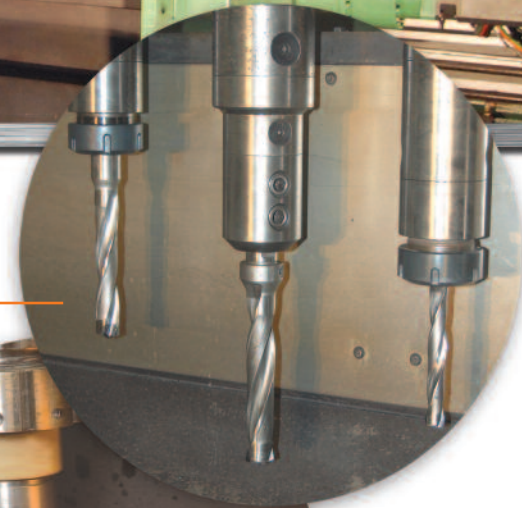
Three spindles powered by a robust 38 HP / 28 kW Siemens motor bring speed and durability to the FDB 2500. Capable of reaching spindle speeds of up to 1800 RPM the three spindles can accommodate carbide tooling of different hole diameters minimizing the inefficient need to stop production in order to switch tooling.

HYPERFORMANCE PLASMA AND OXY-FUEL THERMAL CUTTING

The FDB is capable of accommodating either the Hypertherm HPR400 or HPR260 Hyperformance plasma systems to achieve maximum material versatility at efficient cutting times. An OxyFuel cutting system is supplied for processing materials with increased plate thickness, and for providing an economic alternative to plasma cutting of all sizes.

SIGNOSCRIPT PART MARKING

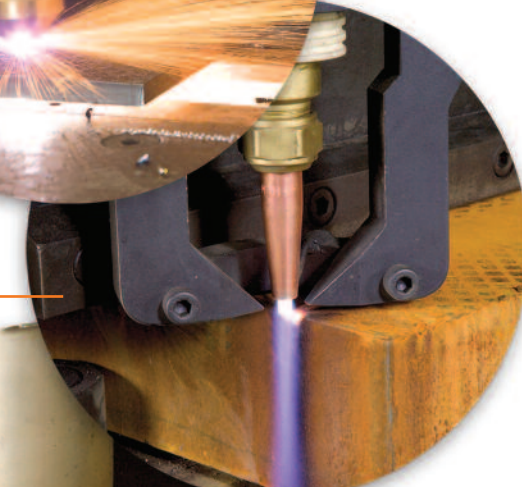
For clear part designation of multiple depths, sizes, and configurations the FDB 2500 is equipped with a SignoScript carbide part marking system. The adjustable depth of marking is beneficial especially for parts intended to later be galvanized.



*High Speed
Carbide Tooling*



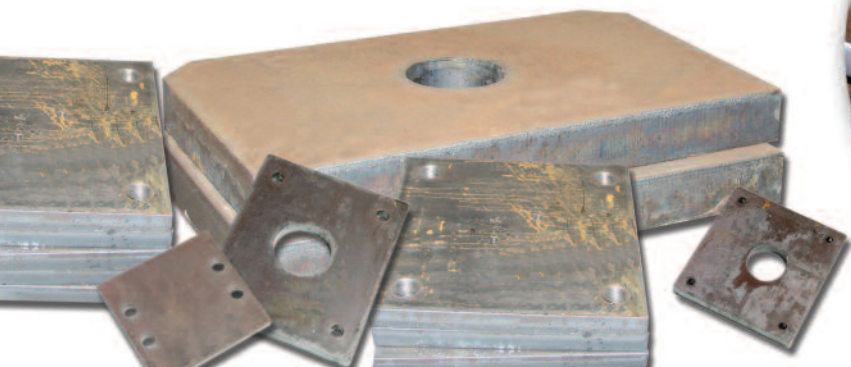
*High Speed
HPR400XD Plasma*



*Versatile
Oxy-Fuel Cutting*



*SignoScript
Part Marking*



SPACE SAVING FAB SHOP VERSATILITY

ROLLERFEED MATERIAL HANDLING

Rollerfeed material handling is the unmatched method for moving material throughout the shop. The rugged design of Peddinghaus material handling is able to withstand the elements outdoors whether your shop is located in Thailand or Toronto. Load material while the machine is in operation, without any stop in production.

SIEMENS CONTROL

The powerful Siemens CNC control panel creates a familiar PC operating atmosphere while providing durability for the rugged fab shop environment. Remote assistance is available with just an internet connection to the control panel.

PLENUM CHAMBER AND DUMP TABLE

An automatic parts dump table makes for easy access to completed components while the copper lined plenum chamber resists the buildup of thermal byproduct making for easier maintenance and less downtime.

GENERAL DRILL SPECIFICATIONS

	METRIC	STANDARD
Maximum Drill Size	50 mm	2"
Maximum Material Thickness	75 mm	3"
Spindle Motor Type	Electric	Electric
Power Per Spindle	28 kW	38 hp

THREE SPINDLE SPEEDS

Slow Spindle	121-1092 RPM	121-1092 RPM
Medium Spindle	147-1372 RPM	147-1372 RPM
Fast Spindle	200-1800 RPM	200- 1800 RPM
Rapid Advance and Retract	6 MPM	240 IPM
Drill Feed Rate	25-508 mm/min	1-20 IPM

Versatile
Material
Handling

Powerful CNC Control

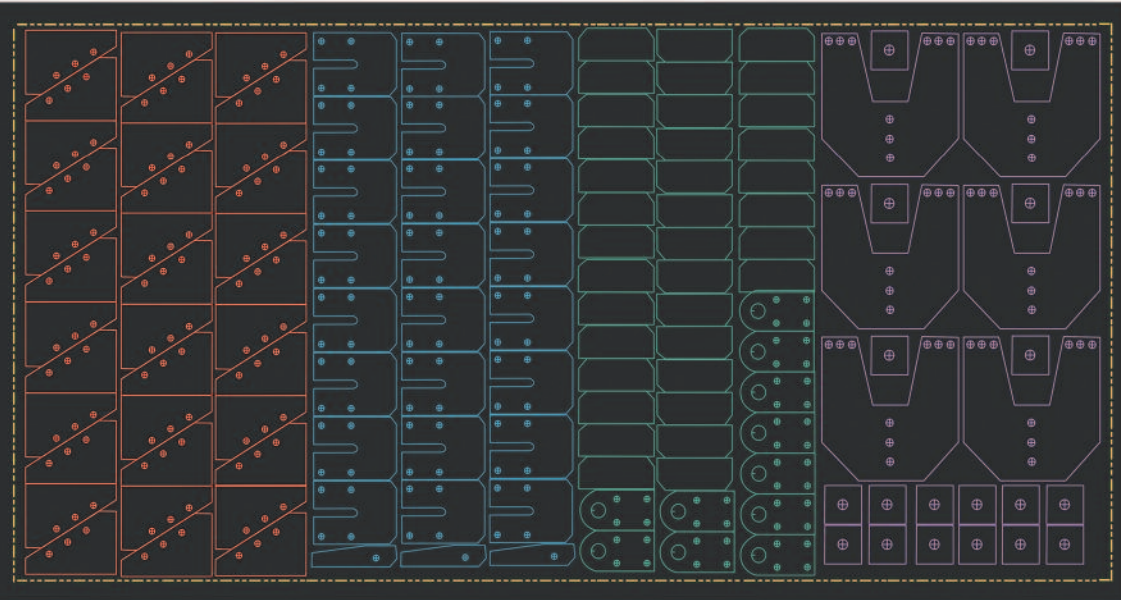
Copper Lined
Plenum Chamber

METAL PROCESSING CAPABILITIES

		METRIC	INCH
Thickness	Minimum	6 mm	1/4"
	Maximum	75 mm	3"
Width	Minimum	150 mm	6"
	Maximum	2500 mm	96"

PARTS NESTING AND COMMON CUTLINE

With steel prices continuing to fluctuate in today's unpredictable markets fabricators need to minimize process times, reduce scrap metal and prolong consumable life in order to stay competitive. Common cut line and chain cutting are a fabricator's best friend in today's demanding market. Peddinghaus engineers work hand in hand with the industry's top software companies in order to offer the most efficient and cost effective processes fabricators have come to rely on.



INNOVATIVE STEEL FABRICATING TECHNOLOGIES

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Two of the biggest decisions a structural fabricator will ever make are the layout of his fabrication shop and the selection of the proper equipment to fill that floorspace.

Since 1903 Peddinghaus has met international standards of excellence in the design and manufacture of quality machine tools for the structural steel, heavy plate and related metalworking industries. This coupled with its superior Design Build expertise has proven time and time again there is no second choice. From column lines to concrete floors, Peddinghaus has engineered effective, modern facilities that serve one purpose – to make you more profitable through optimum efficiency.

Through patented, industry leading equipment, Peddinghaus is here to serve you. Whether you're starting a new fabrication shop or revamping an existing one to be more efficient, consider the company with the organizational strength to make it all happen – from planning to production to increased profits... Peddinghaus.

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