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NEW FROM FERRIC-WESTSIDE ERMAKSAN Fibermak Raptor 2KW 3x1.5



The Raptor fiber laser center was designed for the needs of the small to medium size companies keeping in mind to offer a well build, reliable machine, capable of handling all required laser cutting in house with an affordable investment and full filling all the needs for a reliable machine backed up with local service.



Solid Frame:

One piece welded cutting table with ultra-light dual X axes driven gantry. Cutting table has zoned suction chambers optimizing the dust and smoke collection and minimizing the size of the dust collector.

A motorized conveyor moves the scrap and small parts to the collector bin, located at the front of the machine.

Complete enclosed ergonomic machine cover with good visual access to the cutting area. As safety is a priority the standard machine comes perimeter light beam protection around the dual pallet changer.

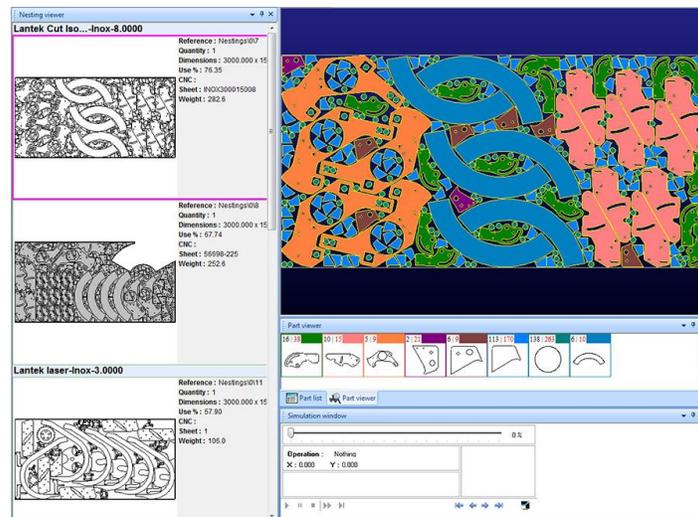
Beckhoff controller and servo motors:



All cutting actions and axes movement input happen through the central located 15" Beckhoff 6202 Windows based touch screen controller & keyboard

Programs can be loaded with the wireless USB connection that also can be used for off-site connection when needed for service purposes.

Lantek Expert Software:



Lantek expert consists of a basic CAD module capable of cleaning up the received dxf files to readable files for the CAM module.

The CAM module generates the G codes for the controller which are converted in useful information to the machine control to move all the axes. Multiple parts can be nested on a sheet as well as different parts.

Precitec Light cutting head:



The Precitec Light cutting head is equipped with the quick manual focus adjustment to be changed with different material types and thickness.

The protection glass cartridge protect the focal lens against dust and material spatter during piercing, extending the lifetime of the lens

IPG 2000 Watt Resonator & Chiller:



A world leader in the fiber laser generator market, IPG delivers the stability of reliable cutting source and chiller and delivering excellent cutting speed for any material and is backed-up with excellent local service and limited 3 year warranty.

Technical Specifications:

Resonator:		2000 Watt	3000 Watt	4000 Watt
Cutting capacity:	Mild Steel	5/8"	3/4"	3/4"
	Stainless Steel	5/16"	3/8"	1/2"
	Aluminum	1/4"	5/16"	3/8"
	Brass-Copper	3/16"	1/4"	3/4"

Max Plate size: 60 x 120"
Max Material weight: 3300 Lbs.

Travel axes:

X axes	120"
Y axes	60"
Z axes	6"

Acceleration axes:

X,U (dual axes)	0.5G
Y	0.5G
Z	2.5G

Traveling speeds:

XY Simultaneous	71m/min	2797"/min
XY Independent	50m/min	1970"/min

Position accuracy: +/- 0,002"/m
Repeatability: +/- 0,001"

Assist gasses:

O2	0.3-12 Bar
Nitrogen	0.5-25 Bar
Clean Air	0.5-25 Bar

Cutting head: Precitec Light cutter head
CNC: Beckhoff 6202
Network connection: Ethernet
CAD/CAM: Lantek Expert
Pallet system: Dual automatic pallet changer

Perimeter safety light guard around pallet changer
Dust collection unit: Ermaksan with Donaldson filters

Average power consumption 21 KW
Machine Dimensions: 340"x106"x87"
Weight 16000 Lbs.

Installation & training Included

Specification are subject to change without prior notice from the manufacturer