

# POLIQUIN MACHINERY INC.

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32 Nineteenth Street • Auburn, ME 04210 • (207)784-1999 • greg@poliquinmachinery.com

*A Proud member the Machine Tool Industry for 40 Years*

Dear Sir or Madam:

We are pleased to offer, subject to prior sale the following:

(1) Pre-owned: ESAB Plasma Cutting System  
Model: Avenger I  
Year of Manufacture: Complete Remanufacture: 2014  
Location: Maine  
Condition: Very Good, Under Power in Plant

## **SPECIFICATIONS**

Water Table: 8' x 20'

### **Hypertherm Automation Edge Pro PC Based Shape Cutting Control**

Windows XPE Operating System

15" Glass Touch Screen

1.5 GHz Intel Embedded Processor (or faster) 80 Gigabyte Hard Drive Capacity

1 Gigabyte DDR RAM

(2) USB Ports

Cut Wizard for ease of operator training Phoenix version 9.0 software

Dynamic Repositioning & Cut/Loss Recovery Built in Plasma Tracking Consumable Graph

(2) RS422/RS232 Configurable Ports Internet & Network Capabilities

Sercos III Interface

Standard Shapes Library Programmable Rotation & Scaling DXF Conversion

8- Direction Joystick

Cut Loss Recovery

Graphic Automatic Plate Alignment Built in Diagnostics & "Remote Help" True Multitasking

Environment HyperNest true shape nesting software Real time Path Display

Front and rear panel accessible

### **Bosch IndraDrive Cs Intelligent 2250 Watt Drive System:**

SERCOS III Interface

2250 watt Programable Drives (750 watts/axis)

750 Watt Motors with Absolute Encoders Assms. (No homing or issues with power loss) Low

Backlash Planetary 30: 1 Alpha Gearboxes

Digital Inputs / Outputs

Integrated Brake Resistor

Operation Panel with Programming Module Function

Shielding on all Interconnecting cables

Heavy Duty Industrial Enclosure for the harshest environments

480 VAC 3 Phase Power required at 30 amps

Contour Cutting Speeds up to 500 ipm standard (Travel Speeds up to 900ipm opt. @n/c)

### **Edge Pro Operator Console with the following functions:**

On Path Forward/Back

Speed Pot Control of Cut Speed / Jog Speed Plasma Station Select (1/2)

Plasma Station Switch (up/down) Directional Joystick

## **Hypertherm Hy Performance HPR260XD, The Next Generation of Mechanized Plasma**

260 amp HyDefinition Plasma Cutting System

Long-life Oxygen Cutting Technology

Virtually Dross-Free cutting from gauge up to 1-1/4" at 100% Duty Cycle Capable of Piercing up to 1.5" material thickness

Maximum cutting thickness up to 2.5" with an edge start

Increased cutting speeds, approaching 400amp systems

Exceptional Consumable Life and low operating cost

Capable of Marking and Cutting with the same consumables

Quick-Disconnect Torch Head for reduced set-up time

Configured with an Automatic Gas Console

## **Hypertherm Automation ArcGlide Automatic Plasma Torch Height Control**

Heavy Duty Motorized Slide with 9.4" of stroke

Initial Height Sensing (IHS), for accurate and repeatable Initial Pierce Height Settings Fastest "Cut to Cut" Cycle Times ever offered

Travel Speeds up to 600 ipm

Ohmic Contact or Stall Force senses torch contact with the plate for IHS

Arc Voltage "Sampling" offers consistent cut angularity throughout the life of the electrode Manual Up/ Down Switch on Lifter

Laser Pointer built into lifter for easy plate alignment

Magnetic Plasma Collision Sensor, torch will "Breakaway" during torch collision

## **Hypertherm Cam Solutions ProNest 2015 Advanced NC Programming Software**

**"The Brains behind True Hole Technology"**

Cad/Cam Import, Conversion & Part Development Advanced Plasma & OxyFuel Post Processor

Costing & Reporting

Trueshape Nesting Module

Collision Avoidance

Code Generation, CNC Output & Basic DNC

Plasma Process Parameters generated in code

Operator Licenses and Subscription Maintenance Agreement

### **Operator Console with the following functions:**

1 ea. External E-Stop Button (on/off)

2 ea. Torch Station Switch (up/down)

2 ea. Torch Station Select

1 ea. Oxy/Fuel Gas Controls Hi/Low/Cutting

### **Oxy/Fuel Gas Regulator Control System:**

High Volume Harris 425 Series Station Regulators

High/Low Pre-Heat Automatic

"Ease On" Pierce Rate Valve for High Pressure Oxygen Control

High Pressure Oxygen controlled by way of a High Volume Dome Loaded Regulator

### **Motorized Torch Cutting Station including:**

Heavy Duty Motorized Lifter with 8" of Stroke

All Anodized Aluminum Construction

Ball Screw Design guided by Linear Way & Linear Bearing

110 VAC Motor with mechanical Clutch and Lovejoy Coupler Brass Torch Holder with Pinion and Hand Wheel

VICTOR (3) Hose Machine Cutting Torch with 32 pitch Rack Individual Control of Preheat Gases and High Pressure Oxygen  
Hoses Control Cables and All Necessary Connections  
All Hoses & Cable are routed through high quality Igus Power Track

**Price:** \$89,900.00

To the best of our knowledge, the specifications contained herein are accurate but should be verified at time of inspection. If you have any further questions, please call me at (207) 784-1999.

Sincerely,

Greg Poliquin