



## **Dual Laser Flexible Manufacturing System**

Manufactured by Bystronic, Inc.  
Windows 95/98 Controllers  
1 – 3000 Watt Flying Laser  
1 – 4000 Watt Flying Laser  
5'x10' bed sizes on both lasers  
Automatic Load/unload System servicing both lasers.  
2 Offload Stations  
Material Storage Tower (6 shelf)  
CAD Software Integrated with Optimization Automated Nesting  
CAD Software integrated with Amada BendCAD Software

## **Turret Flexible Manufacturing System**

Manufactured by Amada, Inc.  
Amada Pega Turret Punch:  
58 station  
30 Ton  
50"x72"  
Integrated Right Angle Shear  
Automatic Material Load  
Automatic Material Transfer to Shear  
Automatic Part Sorting  
Material Storage Tower (5 shelf)  
Nesting Software Integrated with Shop Scheduling

## **Turret Punch**

Manufactured by Amada, Inc.  
Amada Vela 5050:  
44 station with autoindex  
30 Ton  
50"x50"  
Nesting Software Integrated with Shop Scheduling

## **Shears**

Amada 10'  
Edwards 4' 10 gauge



## **Gauging Press**

OBI 30 Ton Hydraulic CNC

## **Pressbrakes**

All Seven Pressbrakes are CNC and Multiaxis

Six of Seven Pressbrakes Share a Library of Precision Ground Sectionalized Tooling

Five of Six Pressbrakes are Networked to Share Setups and Tooling Information

(1) Ten ft, 130 ton

(1) Ten ft, 110 ton

(2) Six ft, 50 ton

(2) Four ft, 30 ton

Seventh pressbrake is an Amada FBD8025-NT, which is an 88 ton, up-acting hydraulic press brake with a bed length of 8 feet and ram repeatability of  $\pm 0.0004$ ". BendCAD, Amada's offline simulation and programming software for press brakes allow for the generation of programs and set-up data external to the press brake.

## **Deburr**

Timesaver 36" HD with Torit Dust Collector

10 ft Belt Sander

AEM 42" Belt Sander with Dust Collector

Miscellaneous Debur Equipment

## **Hardware Insertion**

(3) Haeger presses with Automatic Hardware insertion

## **Drill, Tap and Counterbore**

Hurco with CNC

Three Manual Machines

Procurier Multi-head Tapping Machine

Variable Speed Mill and Vise



## Welding

Resistance Projection/Spot Press Welder (28,000 amp)  
Multiple Mig, Tig and Spot Welders  
Stud Welder

## Paint Systems

High Pressure 5-stage Phosphate Wash Line  
Chromate Conversion (irridite) Dip Tanks  
Gas-Fired Dry and Bake Oven (up to 500 degrees)  
Radiant Heat Gas-Fired Bake Oven (up to 200 degrees)  
Wet and Powder Paint Capabilities  
3-Booth Paint line with 750' Conveyor  
2-Booth Paint Line with 75' Conveyor  
Stand-alone Paint Booth

## Assembly

25,000 square feet of Assembly and Packaging Services  
Mechanical Assembly  
    Rivets  
    Nuts  
    Tricknuts  
    Hardware Kits  
    Part Kits  
Electromechanical assembly  
    Wire harnesses  
    Capacitors  
    Boards  
    Switches  
    High Power Testing  
    Continuity Testing  
    Functional Testing and Setup

## Other

M5 Darex Tool Grinder  
Kent Surface Grinder  
Lathes  
Saw  
Precision Saw  
Miscellaneous Other