

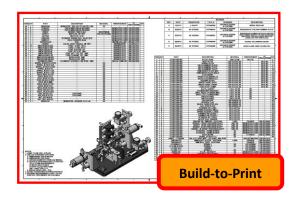
We Design and Build precision fixtures and automated equipment.

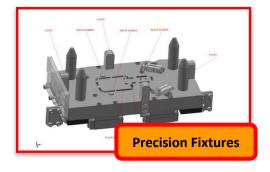
With a combination of creative mechanical and electrical engineering and in-house precision machining makes us a great solution to your fixturing and automation needs.



Precision fabrication capabilities include: milling, turning, welding, wire EDM, sinker EDM, silicone and plastic injection molds and inspection.

If you design your own fixtures or systems, we can build them for you. ADS offers complete mechanical, electrical and programming of your products.





A great fixture is the KEY to successful manufacturing. Let our team of experts help you create a solution to meet all your requirements.

Whether the process has been developed or you are looking to team up with Advance Design & Systems to establish the process, we know what steps to take to ensure the desired result you are looking for.



Give us a call today and we will be able to assist you with all your Precision Fixtures and Automated Equipment













325 Airport Road NE | Pine City, MN 55063 Phone: (320) 629-6697 | Fax (320) 629-6973

info@advancedesign-sys.com www.advancedesign-sys.com

Facility Listing

Software

Mechanical Design

SolidWorks w/Cosmos Siemens NX Electrical Design
AutoCAD

CAM

MasterCAM for Mill & Lathe Esprit SolidWire Gold

Inspection

Hexagon 4.5.4 SF CMM

14.0" x 20.2" x 13.9" PC-DNIS CAD **OGP SmartScope Flash 200**

X=8", Y=8", Z=6" Optical Inspection

Turning

Hardinge Talent 8/52

10" Ø X 12" Length

Hardinge Conquest 42 7.5" Ø X 9" Length **Hardinge Tool Room**

6.5 Ø X 16" Length

HAAS TL-2

10" Ø X 48" Length

Milling

Hardinge 480 (2X)

X=18", Y=15", Z=16"

Hardinge 760 (2X)

X=30", Y=24", Z=24"

Hardinge 760

X=30", Y=24", Z=24"

Hardinge XR500

X=19.7, Y=15.7", Z=15.7"

Bridgeport Mill (2X)

X=25", Y=12.5

Bridgeport EZ Trak Mill (2X)

X=30", Y=12.5" Quill

Milltronics RH33 Bed Mill

X=78", Y=33", Z=28"

EDM

Mitsubishi EA8 Sinker

Machine Travel: X=11.8", Y=9.8", Z=9.8" Tank Size: W=30.3", D=19.7", H=9.8" Mitsubishi FA10PS Wire

Machine Travel: X=13.8", Y=9.8", Z=8.6" Max. Work Size: W=31.5", D=23.6", H=8.5"

Grinding

Clausing CSG-1020ASDII

10" x 20" Capacity

Mitsui

6" x 12" Capacity

Mitsui

8" x 18" Capacity

Welding

Miller Syncriwave 200

Tig (GTAW) & Stick (SMAW)

Millermatic 350P

Mig (GMAW) & Flux Core (FCAW)



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