



Precision Equipment. Precisions Metal Works. Precision Reality.

Built on 50+ years, Humanetics has a reputation for being able to simplify the process of converting our client's complex parts and assemblies into physical reality. Experience and size makes a huge difference.

We have a comprehensive collection of precision sheet metal fabrication tools that give us a competitive edge when it comes to being able to provide flawless services to even the most complex specifications.

A network of computer numerically controlled turrets, bending brakes, and laser cutting stations coupled with a vast selection of punch and brake tooling allows for the production of a wide variety of precision sheet metal products while eliminating costly tooling charges.

Adding to the precision, we offer Powder Coating services in-house so there's precise control of your creation's finish in color.

Our advanced systems within 500,000 square feet of manufacturing space is arranged to meet the scaling needs of large fabrication runs.



Shears

Qty.	Brand	Equipment Description	Location
1	Amada M-4065	Mechanical Squaring CNC Shear	Dallas
1	Cincinnati 1806	Mechanical Squaring CNC Shear	Austin
1	Amada M-2045	Mechanical Squaring CNC Shear	Wuxi



Fiber Lasers

Qty.	Brand	Equipment Description	Location
1	Mazak YLS-4000CT	60" x 120" 4000 Watt Fiber Laser	Dallas
1	Mazak Optiplex Nexus	X Stroke:122" Y Stroke62.2" Z Stroke 5.9" Max 120.1 x 60.0 6000 Watt Fiber Laser	Dallas
1	Mazak Optiplex 4020 FiberIII	X Stroke:160.8" Y Stroke81.5" Z Stroke 4.3" Max 157.5 x 78.7 10K Watt Fiber Laser	Dallas
1	Trumph Trumatic L-3050	30" x 120" Automatic Pallet Shuttle, Travels: X-120", Y-60", Z-5", Max Positioning Speed: Axis Parallel 2,400-IPM Simultaneous 3,340 IPM, 1,502-Lb.	Dallas
1	Prima Finn Power CP4000/Platino 1530	LASER MACHINE	Austin
2	Mazak 3015	60" x 120" 4000 Watt Fiber Laser	Austin + Wuxi
1	Amada	LCG3015	Wuxi



Turret Punches with extensive collection of dies

Qty.	Brand	Equipment Description	Location
2	Amada EMk3612 MII	(60") x (240.15") Max Sheet Size. (0.126) Max Sheet Thickness. (120.07") x (60") Max Travel. Brush Table. Fanuc 31i-PB CNC Control.	Dallas
1	Amada VP358K	(50") x (157.48") Max Sheet Size. (0.126") Max Sheet Thickness. (78.74") x (50") Max Travel. Brush Table. NC model:AMADAN 04P-C with PHNC.	Dallas
2	Amada V3K3610NT	60" x 196" Max. Sheet Size, .135" Max. Sheet Thickness, 98.425" x 60" Max. Travel, (4) Auto Index Stations, 58-Station Thick Turret, Brush Table, Yuken Hydraulic Unit, Fanuc 180I-PB CNC Control	Dallas + Austin
2	Amada VP305072	(50") x (157.48") Max Sheet Size. (0.126") Max Sheet Thickness. (78.74") x (50") Max Travel. Brush Table. NC model:AMADAN 04P-C with PHNC.	Austin
1	Amada EM2510NT	60" x 196" Max. Sheet Size, .135" Max. Sheet Thickness, 98.425" x 60" Max. Travel, (4) Auto Index Stations, 58-Station Thick Turret, Brush Table, Yuken Hydraulic Unit, Fanuc 180I-PB CNC Control	Austin
1	Amada EM2612	Turret Punch	Wuxi
1	Amada EM2510	Turret Punch	Wuxi



Bending Brakes

Qty.	Brand	Equipment Description	Location
7	Amadaa RG 80	94.6" Table Length, 98.7" Max. Bending Length, 80.8" Distance Between Uprights, 15.76" Throat Depth, 3.94" Length of Stroke, 14.58" Open Height, 13.46-Ga. Hydraulic Reservoir, NC9-EXII CNC Control	Dallas + Austin
2	Amadaa RG 80 S	94.6" Table Length, 98.7" Max. Bending Length, 80.8" Distance Between Uprights, 15.76" Throat Depth, 3.94" Length of Stroke, 14.58" Open Height, 13.46-Ga. Hydraulic Reservoir, NC9-EXII CNC Control	Dallas
3	Amada RG 100	118.2" Table Length, 122.1" Max. Bending Length, 100.5" Distance Between Uprights, 15.76" Throat, 3.94" Length of Stroke, 14.58" Open Height, 17.16-Ga. Hydraulic Reservoir.	Dallas + Austin
2	Amade RG 50	78.8" Table Length, 82.1" Max. Bending Length, 59.9" Distance Between Uprights, 15.76" Throat, 3.94" Length of Stroke, 14.58" Open Height, 6.86-Ga. Hydraulic Reservoir. Back Gauge Control	Dallas + Austin
1	Amada RG 35 S	47.3" Table Length, 49.3" Max. Bending Length, 40.2" Distance Between Uprights, 7.88" Throat, 3.94" Length of Stroke, 14.58" Open Height, 6.86-Ga. Hydraulic Reservoir, NC9-EXII Control	Dallas
1	Amada RG 35	47.3" Table Length, 49.3" Max. Bending Length, 40.2" Distance Between Uprights, 7.88" Throat, 3.94" Length of Stroke, 14.58" Open Height, 6.86-Ga. Hydraulic Reservoir, NC9-EXII Control	Austin
1	Amada FBD 80258NT	98.4" Table Length, 98.4" Max. Bending Length, 86.6" Distance Between Uprights, 15.75" Throat, 5.91" Length of Stroke, 16.54" Open Height, 18.48-Ga. Hydraulic Reservoir, AMNC PC Back Gauge Control, Foot Operated	Dallas
2	Amada FBD 8025NT	98.4" Table Length, 98.4" Max. Bending Length, 86.6" Distance Between Uprights, 15.75" Throat, 5.91" Length of Stroke, 16.54" Open Height, 18.48-Ga. Hydraulic Reservoir, AMNC PC Back Gauge Control, Foot Operated	Dallas + Austin
1	Amada FBD 1040E	120" Table Length, 120" Max. Bending Length, 80.8" Distance Between Uprights, 15.76" Throat, 3.94" Length of Stroke, 14.58" Open Height, 13.46-Ga. Hydraulic Reservoir, NC9-EXII Back Gauge Control	Dallas
1	Amada FBD 1030NT	118.1" Table Length, 118.1" Max. Bending Length, 106.3" Distance Between Uprights, 15.75" Throat, 5.91" Length of Stroke, 16.54" Open Height, 23.76-Ga. Hydraulic Reservoir	Dallas
2	Safan 100-3100	130 Ton x 120" Electric Brake	Dallas
1	Safan0-4100	225 Ton x 160" Electric Brake	Dallas
7	Amada RG125, 80, 50-*2, 35, HG1303-*2	Various Table Sizes of the Amada Bending Brake range	Wuxi



Machining Center

Qty.	Brand	Equipment Description	Location
1	Bridgeport 146695	Vertical Mill	Dallas
1	Bridgeport	Vertical Mill	Dallas
1	Jet JDM-18	Drill Machine	Dallas
1	Kitamura 2XIF	36" x 14" Table, Travels: X-20.07", Y-13.97", Z-18.11", Spindle Speeds to 20,000-RPM, #40 Taper, Fanuc 16i-MB CNC Control	Dallas
1	Mori Seiki SV-50 b/40	600mm x 1100mm Table, Travels: X-800mm, Y-510mm, Z-510mm, Spindle Speeds to 10,000-RPM, High Pressure Coolant Thru Spindle, #40 Taper, MSC518 CNC Control	Dallas
1	Mazak QT-8	Mazak CNC Lathe	Dallas
1	Monarch 10" EE	Manual Turning Center	Austin
1	Bridgeport BR2881856	Manual Milling Machine	Austin
1	Lagun FTV-1	Manual Milling Machine	Austin
1	HAAS GR-408	Vertical Milling Machine	Austin
2	Mazak HCN 5000 II	Horizontal Milling Machine	Austin
1	Mazak VCN700D-II	Vertical Milling Machine	Austin
1	Mazak FH-4800	Horizontal Milling Machine	Austin
1	HAAS ST20Y	CNC Dual Spindle Machine Capable Turret Lathe	Austin
1	Mori Seiki SL-250B5MC	CNC Dual Spindle Machine Capable Turret Lathe	Austin
3	LEADWELL V-40	Vertical Milling Machine	Austin
1	DMG Mori ECO MILL 600V	CNC Mill	Wuxi
1	DMG Mori ECO TURN 310V3	CNC Lathe	Wuxi



Welding- Manual and Robotic

Qty.	Brand	Equipment Description	Location
1	McCreery A2-150-18-C	PRESS SPOT WELDER	Dallas
1	Standard P52-24-150	PRESS SPOT WELDER	Dallas
1	Miller CP-300	WELDER	Dallas
1	OTC Daihen Robot Manipulator NV6L- NEFU	ROBOT WELDER: Weld Unit OTC WEIBEE P500L SER#P30142YP2403003; Controller: OTC FD11-U003000 SER#L21716425622610, OTC FD11-UL00001 SER# LZ1711Y25135003	Dallas
3	Miller SYNCROWAVE 250	WELDER	Dallas
3	OTC WEIBEE P500L	WELDER	Dallas
1	OTC P350L	WELDER	Dallas
2	Miller Dyanasty 280	WELDER	Dallas
1	Millermatic 140	WELDER	Dallas
1	Miller Dynasty 210	WELDER	Dallas
2	Millermatic 250	WELDER	Dallas
1	OTC Daihen Robot Manipulator AX-MV6L	ROBOT WELDER: Weld Unit OTC WEIBEE P400 SER#P30194YP2754015; Controller: OTC AX-ML1-U000 SER#L9671YZ5552609	Dallas
1	Miller Dynasty 400	WELDER	Dallas
1	Miller SYNCROWAVE 351	WELDER	Dallas
1	Hypertherm Powermax 6000086C21	PLASMA CUTTER	Austin
1	Lynx Titan II	STUD WELDER	Austin
1	Miller 252	MIG WELDER	Austin
2	Miller Vintage	MIG WELDER	Austin
1	Miller 351	TIG WELDER	Austin
3	Miller 250	TIG WELDER	Austin
1	Miller 250X	MIG WELDER	Austin
1	Miller 211	MIG WELDER	Austin
1	OTC AII-B4+DM350	ROBOT WELDER	Wuxi
1	Amada ID-40-ST	SPOT WELDER	Wuxi
1	Miller Synchrowave 250DX	TIG/MIG WELDER	Wuxi
3	Panasonic YC-300	TIG/MIG WELDER	Wuxi
1	Chuangxin CS1500W	LASER WELDER	Wuxi



Hardware Insertion Machines

Qty.	Brand	Equipment Description	Location
1	Haeger 618	Hardware insertion machine	Austin
2	Haeger 618-1L	Hardware insertion machine	Dallas
1	Haeger 618-1H	Hardware insertion machine	Dallas
7	Haeger 618PLUS-H	Hardware insertion machine	Dallas (1) + Wuxi (6)
1	Haeger HP6-B	Hardware insertion machine	Austin
4	Haeger 824	Hardware insertion machine	Dallas + Austin
1	Sonitek #TS101/1	Hardware insertion machine	Austin
2	Haeger 824 -WT-1H	Hardware insertion machine	Dallas
2	Haeger 824 OTL-4He	Hardware insertion machine	Dallas
3	Haeger 824-PLUS-1H	Hardware insertion machine	Dallas + Austin



Metal Finishing Deburr

Qty.	Brand	Equipment Description	Location
1	Timesavers 2200 2211-23-0	Autosander Timesaver Model WDC-5, with Dust Collection System, S/N SN31977	Dallas
1	Timesavers 2300 5/9/11	Timesaver Model WDC-7, with Dust Collection System, S/N SNS1864	Dallas
1	Clemco Bmp55-300 R\$DF 1HP	Sandblaster & Media Blast Cabinet with dry filter dust collector	Dallas
2	Timesavers, Inc. 137-1HPM	Austosander 36" Dry Type Pass Thru	Austin
1	Timesavers, Inc MC6512	Austosander 36" Dry Type Pass Thru	Austin
1	Empire PF-4652	Sandblast & Mediablast Cabinet	Austin
1	ZERO BNP220-900R&DF	Sandblast & Mediablast Cabinet	Austin
1	Jonsen Autosander	GR Winner-900-W With WDC5	Wuxi
1	Mujin Autosander		Wuxi
1	RDM Machine Shinetek	ZDM-1300R2	Wuxi



Powder Coating- Dallas

Powder coating provides an aesthetic finish that can also be chemical resistant, utilizing a process that is much more environmentally friendly than liquid coatings.

Within our 400,000+ square feet of precision manufacturing space, we have made a commitment to provide our clients with a built-in, state-of-the-art powder coating system. The Humanetics powder coating system utilizes computerization of all phases of the process from bare metal, part preparation, cleaning, drying, application of powder, baking, cooling, and packaging.

Advanced Technology

Humanetics' system uses new powder coat technology for environment preservation, energy efficiency, pristine cleanliness, robotic material application, color matching, and perfect coating durability.

With our 6-stage wash system, we are able to clean and pretreat parts to a level that allows certification up to AAMA 3605 levels and many ASTM's. This system is programmable for your specific parts to run the same way with perfect consistency, even between long-span manufacturing runs.

Humanetics Trusted Process

Humanetics uses the Sherwin Williams primer and powder system. The initial testing of our pretreatment along with Sherwin Williams primer/powder combination ended with 500 hours of salt spray that had perfect 10/10 scores.

Our line is dynamic technology with washers and ovens that know when parts are online and will go to low energy usage states when parts are not present. Lowering not only energy consumption, but also reducing chemical usage, and wear on motors/burners/spray nozzles.

Unmatched Quality and Precision

We have the newest manual and automatic booths that are more efficient, quieter, and operator-friendly for maintenance. Quality of this caliber provides the ability to program specific part profiles to build film thicknesses to customer specifications consistently.

Our ovens, as we mentioned earlier, are energy efficient and utilize newer technology to heat up quickly, and force the heat from the bottom up, instead of the old top to bottom. This eliminates cold/hot spots in the oven and allows for a much more consistent cure of the powder to the substrate.

The quality and precision that Humanetics implements into every task are unmatched. We continually ask "is it precise enough?" The only time that question is answered "yes" is when the results are perfect.

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