

Manufacturing Equipment List with Capabilities

Punch

(2) Trumatic 5000R both equipped with sheet masters. Can handle 63"x 144" sheets. Aluminum max of .375 thick, steel max .312 thick. Use of tap, roller, and debur tooling available. Programmed with TruTops Punch software.

Press Brake

TrumaBend V85s- Bed length: 2549.52mm/100.375" Frame width: 2259.83mm/88.97" Throat Depth: 420mm/16.53" Max Die Opening: 525mm/20.669" Max force: 850kn/95.54 tons Maximum X axis distance: 600mm/23.622"

TrumaBend V200- Bed length: 4080mm/160.629" Frame width: 3680mm/144.88" Throat Depth: 420mm/16.53" Max Die Opening: 525mm/20.669" Max force: 2000kn/224.8 tons Maximum X axis distance: 600mm/23.622"

TrumaBend V1700- Bed length: 4250mm/167.312" Frame width: 3680mm/144.88" Throat Depth: 420mm/16.53" Max Die Opening: 615.25mm/24.25" Max force: 1700kn/191.08 tons Maximum X axis distance: 600mm/23.622" -6 axis Back gauge on all three machines.

-All three TrumaBend machines can be programmed offline using TruTops Bend software.

Accurpress 7606 Bed Length 96" Max force 60 ton 24" cnc back gauge. Frame width: 79" Throat Depth: 8"

Accurpress 7608 Bed Length 72" Max force 60 ton 24" cnc back gauge. Frame width: 55" Throat Depth: 8"

Other Forming

Fasti 225-32-6 Folding Machine Max bend length 127" Maximum back gauge length 127" Maximum material thickness .250 mild steel (currently tooled for a maximum of .188 mild steel).

Laser

Trumpf Laser TC L3030 Sheet size capacity up to 60"x 120". Maximum thickness 1.00" mild steel, .590" stainless steel, .393" Aluminum. Equipped with a LiftMaster automatic sheet loading and unloading unit. Programmed with TruTops Laser software.

Saw/Cutting

KASTOfunctional U Semi-automatic band saw 10" round cutting capacity. Power feed and clamping. Angle cut capacity of -45°/+60°.

Elumatec KS101/30 double miter/ notching saw. 300mm blades capable of 4" profiles. Used to cut both 45 degree cuts of a 90 degree corner in one cycle or cut a 90 degree notch partially through profile. Equipped with a MMS200/31 3000mm (118") digital length stop system.

Euumatic DG142/02 Double head miter saw. 500mm saw blades Maximum cutting length 4500mm (14'-9") Maximum profile length 360mm (14.17") Equipped with digital part length readout.

Milling

Fadal S 4020VMC Maximum travels X=40", Y=20", Z=20" 10,000 RPM Spindle. Thru spindle coolant. 21 tool automatic tool changer. VH65 4th axis indexing system.

Welding

(4) Miller CP-302 welder equipped with 12' swing arc wire feed booms. 300 amps @ 100% duty cycle. (MIG)

Lincoln 456MP 300 amp welder (MIG)

(2) Miller Regency 250 200 amp welder (MIG)

Miller Invision 456MP 450 amp welder (MIG)

Miller Syncrowave 250 250 amp welder (TIG) water cooled torch.

Painting

Tecor cross flow spray booth; 14'wide, 30'long, 16' tall. Booth is equipped with flow through monorail system.

Spray equipment: (2) Grayco ProMix Easy electronic proportioners setup for air assisted airless spray; Kremlin spray guns.

Standard Industries cross flow spray booth; 14'wide, 26'long, 9' tall.

Spray Equipment: Grayco Triton paint pump with Delta HVLP spray guns.

-Paint mixing area is equipped with drum mixers to process drums of paint material.

Other Equipment not listed

Timesaver Series 3100 three head finishing machine setup as a belt, brush, brush unit. 38" maximum part width. 8" maximum opening height. Wet processing machine.

Mubea HIW5550/305 Ironworker 62 ton punch capacity, 5" x 5" x ½ angle capacity, 3/8" coping capacity.

Banner 75KVA single phase spot welder. 24" throat capacity. Entron EM1000 control

Sciacky 100KVA three phase welder 40" throat capacity. Sciacky Touch-weld control. Maximum capacity, 2 pieces of .090 aluminum.

Amada Sheet leveling machine. 24" wide capacity. Maximum 3/8" material thickness.

(3) Autosert AS7 Hardware insertion machine 20" throat capacity. 7.5 ton press capacity.

Virtek Laser QC Laser inspection machine. 48" x 48" scanning area .002 Scanning accuracy. First article inspection. Statistical Process Control (SPC). Reverse Engineering.

Strippit 30/30 single station punch with extensive tooling.

Strippit Corner Notcher 8" x 8" x 10 gauge capacity.

Di-Acro Hand operated bender.

Di-Acro 24" hand operated roller

20" Wilton Drill Press

AutoCAD design software

Solid Works design software

Assembly

(4) Gesipa rivet guns

(9) RAC rivet guns

(7) ½" Nutsert guns

(2) 3/8" Nutsert guns

(2) 1/4" Nutsert guns

(3) #10 Nutsert guns

(1) #8 Nutsert guns

(2) #6 Nutsert guns

Wide array of other assembly tools.

Experienced with Plexus adhesives, 3M VHB adhesive tapes and various sealants.