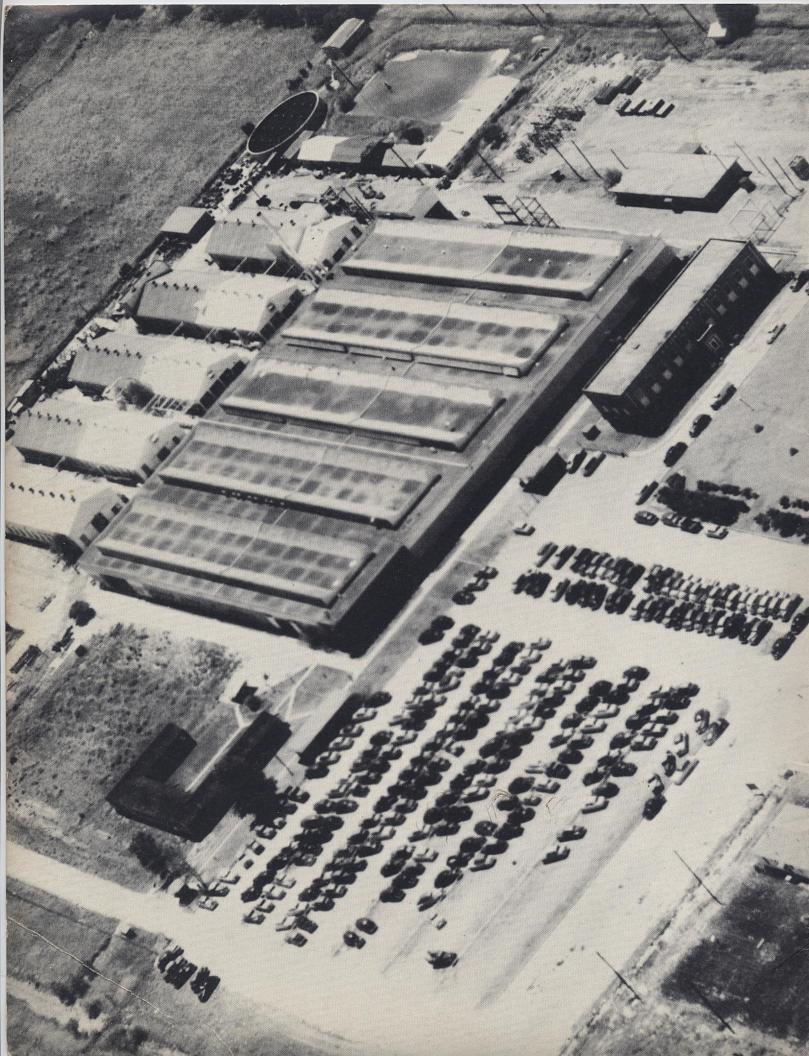




INTERCONTINENTAL

MANUFACTURING COMPANY, INC.



INTERCONTINENTAL

Manufacturing Company, Inc.

GENERAL OFFICES
AND FACTORY

Garland, Dallas County, Texas

TELEPHONE: DALLAS, VICTOR 4560

Cable Address: Incontrac Dallas





Office of Intercontinental Manufacturing Company, Inc.

The offices and plant of Intercontinental Manufacturing Company, Inc., covering 180,000 square feet of floor space and equipped for aircraft production and processing, are located on a twenty-three acre tract in the city of Garland, Texas, five miles northeast of Dallas.

Buildings are of brick, steel and concrete construction enclosed with a seven foot steel mesh cyclone fence, mounted with three strands of barbed wire.

Both the MKT and Santa Fe railroads serve the city. The Santa Fe services the plant and a cargo airport is located within three miles.

The Plant Protection Department is familiar with the security requirements of the United States Government, and guards are on duty twenty-four hours a day, seven days a week.

The plant draws some labor from the city of Dallas, but its principal source lies in the untapped and uncontested labor areas in the group of growing small towns north and east of Dallas. At past peak production, this plant has employed over 3500 workers, all recruited from this area.

During 1951, this company switched from the manufacture of tractors, farm implements, busses, motor coaches and other industrial equipment and machinery to approximately ninety per cent defense production of aircraft components.



Intercontinental Manufacturing Company, Inc., came into being in April of 1948. It is therefore with a great sense of pride that we bring you this pictorial review of what has been achieved in this relatively short period of time.

Our accomplishments, in the main, can be attributed to our employees, who work together as an integrated team, and are skilled in the type of precise workmanship which creates a better product.

As President of Intercontinental, I wish to express the keen satisfaction that is mine in being a part of an organization which has become a leader in its field.



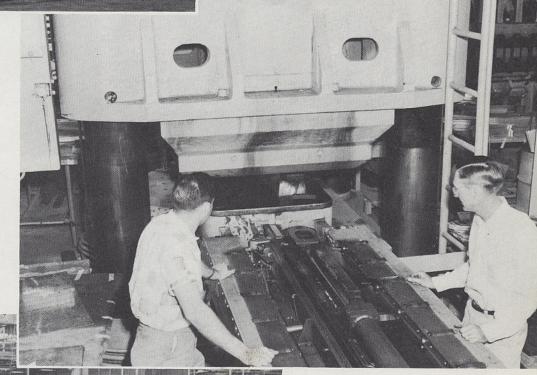


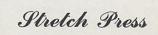
Power Brake

One of a group of power brakes of varying sizes.

2500 Ton Hydraulic Press

One of the largest in the Southwest, this press is used for deep drawing and forming sheet metal parts, either as a rubber press or with male and female dies. The standard forming pressure obtained with the rubber pad may be increased by using inserts. It is equipped with two full cycle automatic transfer tables which substantially increase the production rate.

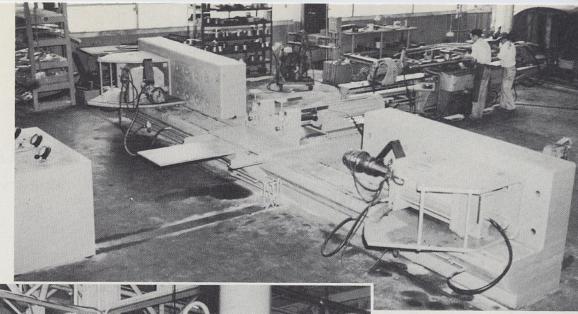




Standard aircraft stretch press used for contouring.

Beam Stretcher

Designed and built by Intercontinental, this machine performs stretch straightening and stretch forming operations on extruded or formed beams. Interchangeable jaws add to the versatility of the machine.

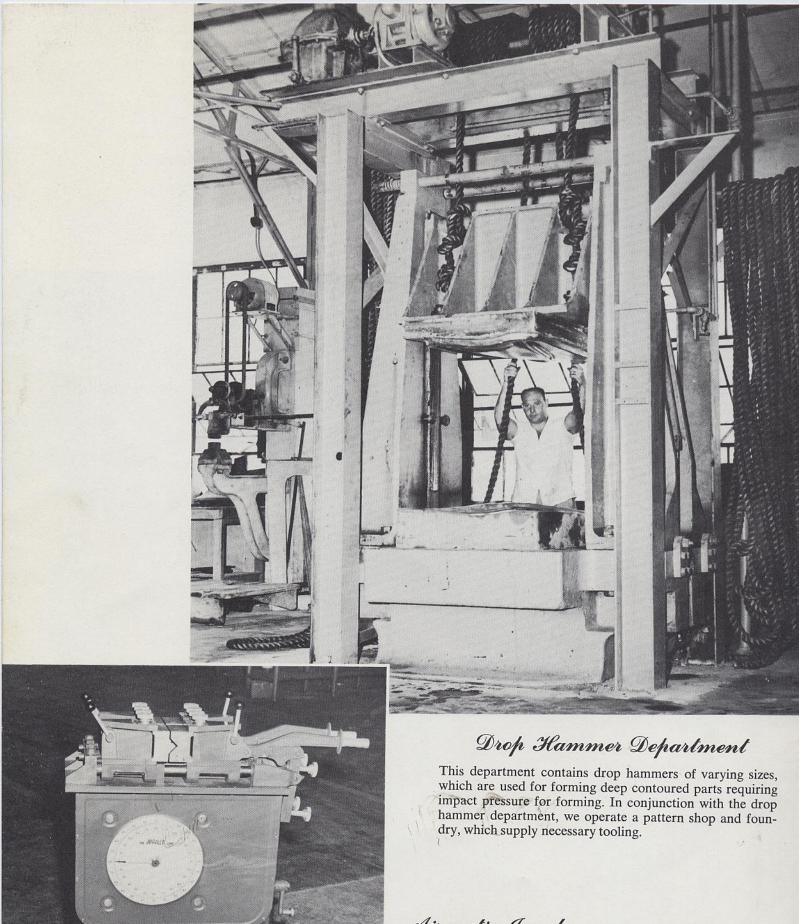


Multiple Ram Hydraulic Brake

A major aircraft problem was solved when Intercontinental built this brake. Thousands of tapered and straight corrugations are being produced thereon at low cost.

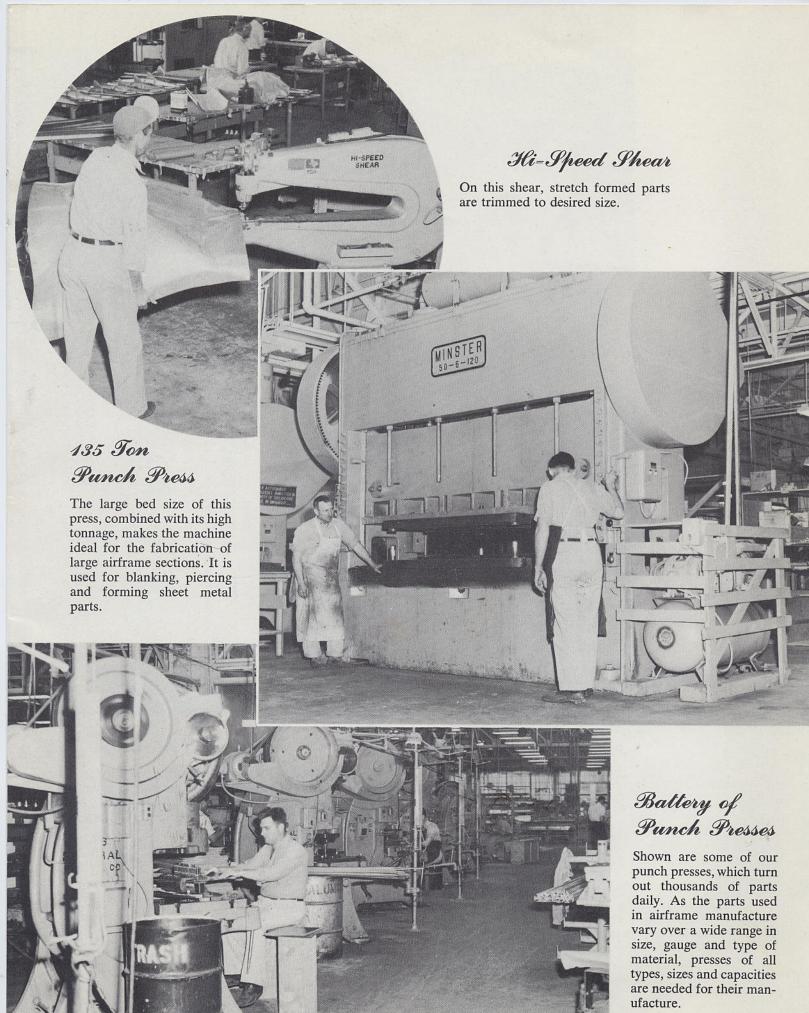
Stretch Press

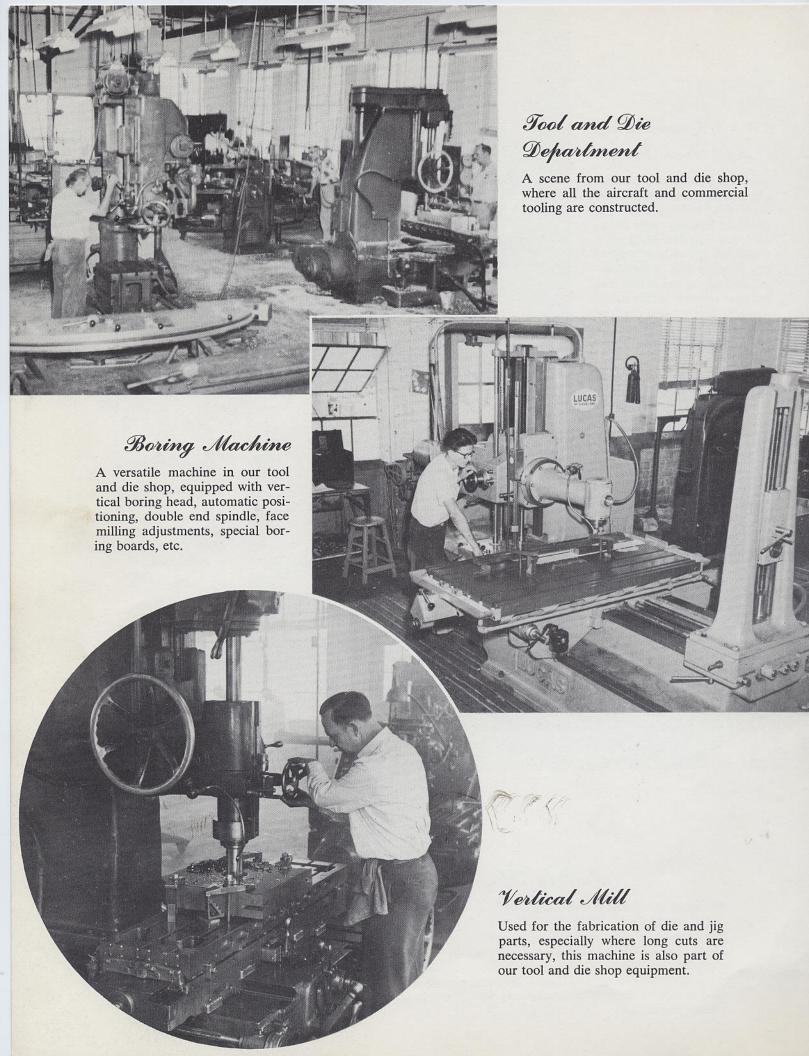
Developed and constructed by Intercontinental to handle extra large sheets which cannot be formed on standard presses, this press will stretch form parts to contoured shapes. It can accommodate parts up to 124" wide by 134" around contour.



Airmalic Joggler

The Airmatic model, as well as a hydraulic operated version, are manufactured by Intercontinental for use by the entire aircraft industry. The joggler forms offsets in rolled or extruded sections, and joggles parts without the use of expensive dies, forming neat, uniform offsets in one simple operation.



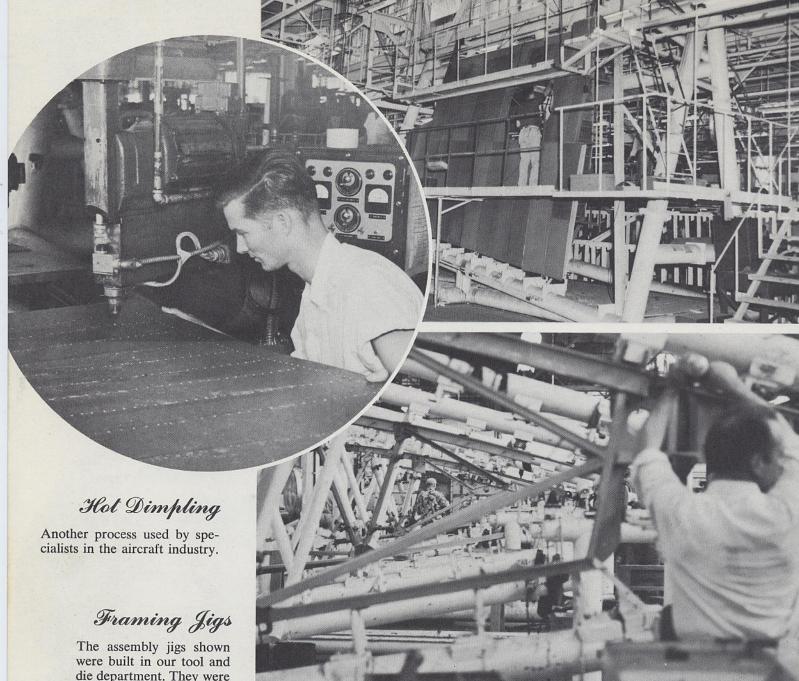


Engineering and Tool Design

Shown is a section of our engineering department, where new ideas are developed for our products. The ingenuity of our engineers and tool designers is evidenced, not only by the fact that they are able to tool complicated assemblies at low cost, but also by their ability to design and develop new machine tools which are used for our contracts and sold to the industry.







The assembly jigs shown were built in our tool and die department. They were designed and built to withstand the shock of constant riveting and still locate the parts within the required close tolerances.

Tool Planning

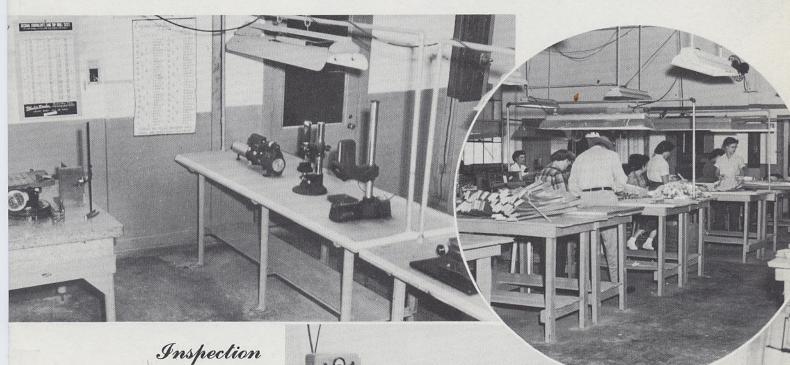
Tool Planning consists of a group of highly skilled people who have had both engineering and shop training, which enables them to efficiently plan all detail, assembly and master tooling required for our contracts.



Paint Shop

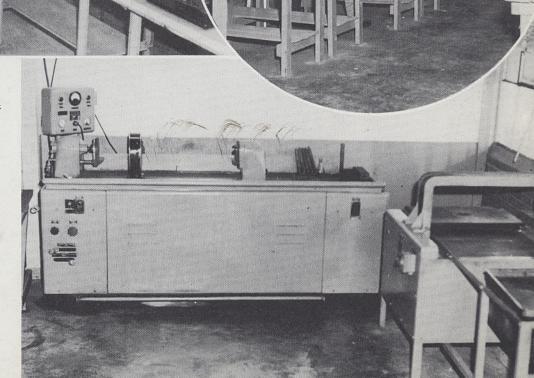
Our modern paint shop is equipped with spray and dip facilities. It is large enough to accommodate major assemblies and is conveniently located near the process department, thereby assuring a minimum amount of handling.





Inspection Department

Views of sections of our inspection department. Intercontinental Manufacturing Company, Inc. is one of a select few which have been approved for GOVERNMENT SOURCE INSPECTION. It is a well-known fact that only those companies which have the highest standards of quality of production and which follow the strictest inspection procedures may qualify for this distinction.





Shown is a heat treat oven used for solution heat treating aluminum parts. It is equipped with recording automatic controls and safety devices. A cold water quench tank is conveniently located alongside the furnace. Overhead cranes service these tanks.



Ageing Oven

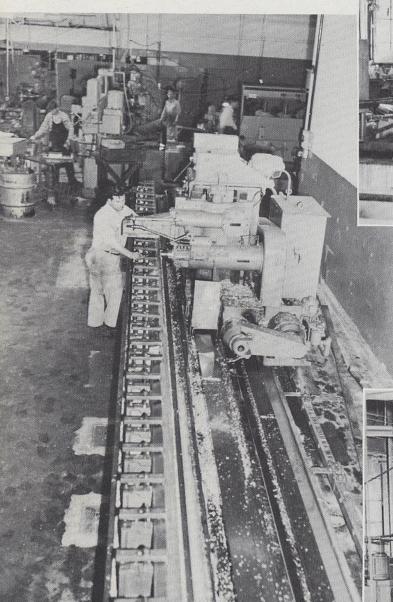
Our huge air furnace, equipped with recording automatic controls, is used for ageing aluminum parts. Two carriages facilitate rapid loading and unloading.

Machine Shop

Machine Shop, showing some of our lathes and mills.

Processing Tanks

Shown are some of the tanks which are used for anodizing aluminum and magnesium parts. Adjoining tanks are used for cadmium plating, chromatizing, dip priming, vapor degreasing and alkaline cleaning.



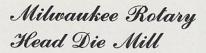
35 Foot Spar Mill

Large spar mills are synonymous with the aircraft industry. Used for contouring and mill cutting long beams, this mill is capable of accommodating beams or spars up to 35 feet in length.

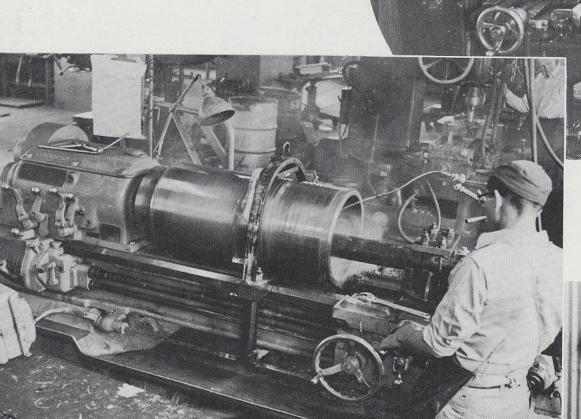
Spot Welding Department

All of our equipment and processing are approved by the United States Air. Force.





Another tool and die shop machine, used to cut die and jig parts and particularly short mill cuts at varying angles.



Tool Room Engine Lathe

Utility machine tool with many adjustments for tool room use.

Foundry

The foundry is equipped to supply cast kirksite and lead dies for use in the drop hammers, hydraulic presses and stretch presses, and also to furnish aluminum castings which become part of the many products we manufacture.





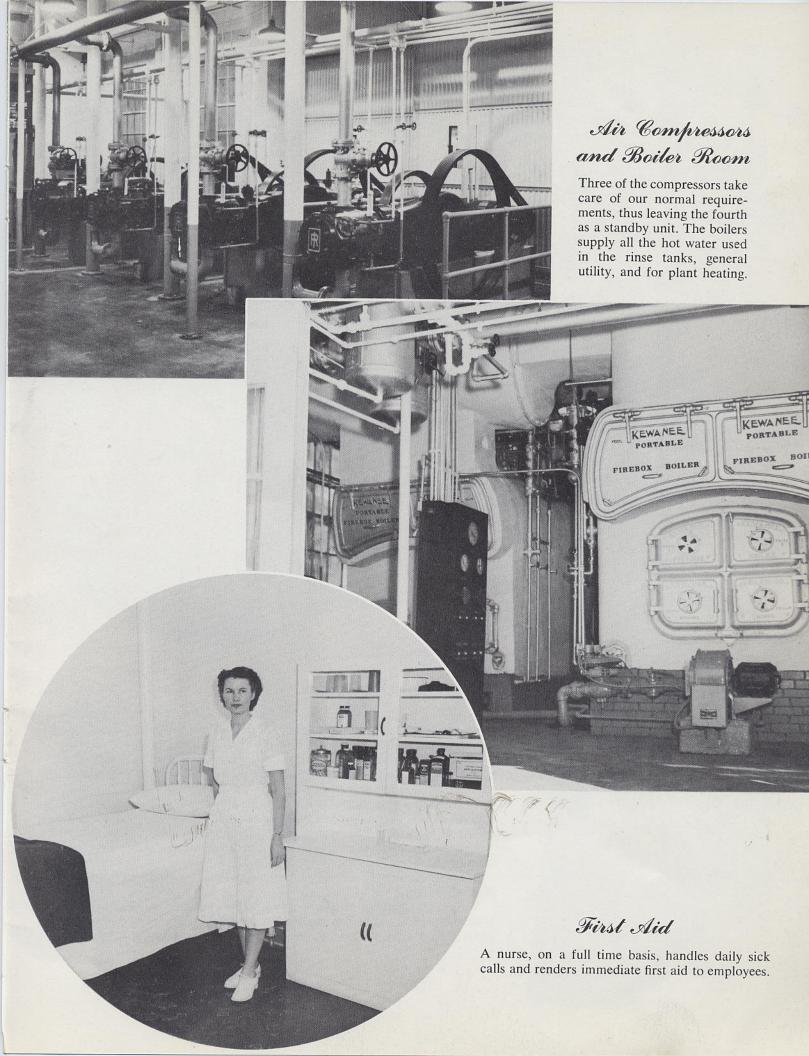
Testing Laboratory

Two views of our compact, modern chemical and physical laboratory where our engineers determine the strength of materials, surface resistance of protective coatings, and the chemical composition of processing materials, etc., to safeguard the high quality of our production standards.



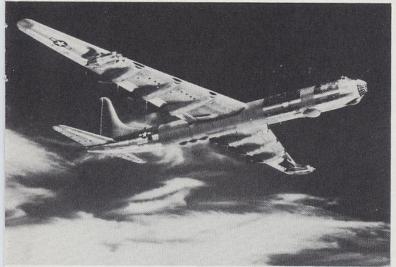


Used by our quality control chemists and metallurgists to test processed parts under artificial weather conditions. This cabinet subjects finishes and coatings to tortuous tests to meet our own high standards and the rigid Government specifications.





We are currently devoting over 90% of our production to the defense effort. As sub-contractors, we manufacture major components for many of the leaders in the aircraft industry. Shown below are some of the planes for which we produce the major component indicated.



B-36-Trailing Edges



B-47-Tank Support



Bell Helicopter-Center Frame



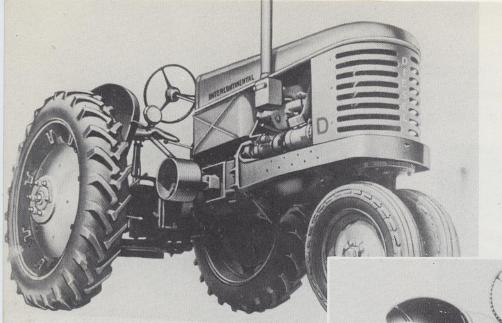
P5M-1-Wings



F4U-Aft Section

A completely integrated aircraft plant, including special equipment portrayed herein; over 1,000 trained aircraft mechanics and technicians combined with "know-how" developed over the years, makes Intercontinental Manufacturing Company, Inc. SPECIALISTS in the aircraft field.

Let Us Help You Solve Your Aircraft Problem!



Other Products

Intercontinental D-E-D-F Tractor

INTERCONTINENTAL

Intercontinental C-26 Gasoline or Kerosene Tractor



Three-Disc Ridger, Intercontinental Model 60140, shown mounted on C-26 Tractor

Illustrated is Model 60216 Tandem Disc Harrow, twenty-eight 18" diameter discs

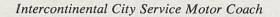
The tractors, agricultural equipment, motor coaches and busses which are shown here are but a few examples of the many products of our versatile plant.

Intercontinental's multi-purpose facility, diversified machinery and engineering aptitude enable it to develop and produce almost any product in large or small quantities.

We have had extensive experience in the machining and assembling of items fabricated from aluminum and steel. Stainless steel and magnesium are also familiar materials to our experienced craftsmen.



Intercontinental Standard School Bus





Intercontinental Equipment

.Pheet Metal Fabrication

1 Farnham Roll, 18'

Shear, Square (Cincinnati) 12

Shear, Square (Cincinnati) 6'

Shear, Square (Northill) 16" Shear, Square (Whitney-Jensen) 4

Marvel Power Hack Saw

Kalamazoo Band Cutoff Saws

Brake, Press (Cincinnati) Series 50-10', 12' Length, 300 Ton

Brake, Press (Cincinnati) Series 90-6' Brake, Press (Verson) 54" Brake, Press (Whitney-Jensen) #247

Press, Power Punch (Minster) Mod. 50-5-48 Press, Power Punch (Minster) Mod. 40-4-1/2

Press, Power Punch (Minster) Mod. 50-6-120 Presses, Power Punch (Federal) #1

Presses, Power Punch (Federal) #1
Press, Power Punch (Federal) #4
Presses, Power Punch (Federal) #6
Presses, Power Punch (Federal) #7
Press, Power Punch (Benchmaster) #4
Press, Hydraulic (Williams White) 600 Ton
Press, Hydraulic (Birdsboro) 2,500 Ton
Hufford Stretch Press, Model F-206-E
Roller, (Pexto) 48" Mod. 2/40
Roller, Power Slip 6'
Band Saw—Walker Turner
Brake Press—Verson, 72"
Spot Weld Machine—Sciaky, 75 KVA

Spot Weld Machine-Sciaky, 75 KVA

Roll-Buffalo

Sheet Stretcher-Intercontinental, Cap. 96" x 160", 114 Ton

Beam Stretcher, 120 Ton Cap. Deep Freeze, 3' x 4' x 10' Deep Freeze, 3' x 3' x 8'

Multiple Ram Hydraulic Brake

Stationary Hot Dimpling Machine

Heliarc Welding Machine-P & H

Drop Hammers Base Plate 30" x 34"

Drop Hammers Base Plate 431/2" x 56"

Jogglers, Model "C" Paint Booth—DeVilbiss, 30'5" x 13' x 12'8" Spar Mill—Ingersoll, 35'

Spot Facing Machine, Acme Inverted Type, 1" Dia. Milling Machine—Cincinnati, Model 4-48 Milling Machine—Cincinnati, Model 1-18

Sheet Metal Bench

2 Beading Machines (Pexto)

Furnace, Salt Bath Al. Ht. Tr. 30" x 13" x 4'

Furnace, Salt Bath Al. Ht. Tr. 30" x 13" x 6"

Nibbling Machine (Campbell) #1

Punch Turret (Wiedeman) R2

Routers-Pin (Yates-American) M150

Router—Shaper (Yates-American) M50 Router—Shaper (Walker-Turner) S975 Routers—Pin (Ekstron-Carlson) 434

Routers—Pin (Ekstron-Carlson) 434
Router—Single Arm (Onsrude) Air
Router—Drill (Onsrude) A4C
Bench Grinder (Black & Decker)
Disc Sanders (Porter Cable) 15"
Belt Sanders (Porter Cable) Various
Belt Sanders (Mead) Burring
Arbor Presses—Various
Drill Presses—Various
Saw, Metal Band

Saw, Metal Band Saws, Band (Walker-Turner)

Saw, Tilting Arbor Table Shrinker, Power (Erco) Mod. 476

Shrinkers, Foot (Erco) Mod. 1447 Benders-Tube (Parker)

Auto Wire Marking Machine (Kingsley) Saws Abrasive Cutoff (Bridgeport) 47W

1 Tube Flaring Machine (Leonard) Model B

Marking Machine

Riveting Machines (Chicago) Model 140

Saw, Contour (Doall) V-36

Shear, Hi-Speed (Liberte) #1036

Shear, Manual (Pexto) 36'

Welder, Spot (Acme) 75KVA-AC

Welders, Spot (Taylor-Windfield)

Sets of Aluminum Welding Eqiupment

Machine Shop

2 Automatic Boring Machines (Excello)
 1 Drill, Radial 3'9" (American)
 1 Drill, Radial RD1175 (Walker-Turner)

Pedestal Tool Grinders

Hone (Sunnen) L-S

Grinder, Buffing Lathe (Hammond) 3R-L

Lathe, Turret (Gisholt) No. 3 Lathe, Turret (Gisholt) No. 4

Lathes, Turret (J & L) No. 3

Lathe, Turret (Hardinge) ESM-59

Lathe, Hand Screw Machine (Logan) 830

Lathe, Turret (Warner-Swasey) #2A
Lathe, Engine (American) Pacemaker 16"
Lathe, Bench (South Bend) 444-A
Lathe, Metal (South Bend) 16" x 8"
Lathe, Monarch 16"

Mills, #12 Plain (Brown & Sharpe)
Mills, #2H Plain (Kearney & Trecker)
Mill, Vertical # H (Kearney & Trecker)
Mill, Vertical #K (Kearney & Trecker)
Tapping Machine (Bakewell) Mod. #1

2 Grinders, Pedestal 21 Drill Presses—Various Sizes

2 Arbor Presses-Various

Tool and Cutter Grinding

1 Pedestal Grinder

Tool Grinder (Cincinnati) #2

Drill, Pointer (Oliver) Model 510

Grinder, High Duty (Queen City) Mod. 4F

Tool Grinder (Excello) Mod. 47C

Lathe (South Bend) 9

1 Drill Press (Delta) 1/3 H.P.

Foundry

Drop Hammer-1 Ton-24" Lead Smelting Pot-Gas Fired-1 Ton

Kirksite Smelting Pot-Gas Fired-1 Ton Aluminum Smelting Pot-Gas Fired-75 Lb.

Steel Heat Treat Oven 24" x 20" x 36'

Oil Bath

Draw Oven 10" x 20" x 30"

1 Riddle (Champion) Mod. R

Pattern Shop

2 Disc Grinders (Porter Cable) 15" 1 Spindle Sander (Boice Crane) 1 Jointer (Wallace) 8" x 40"

Shaper (Delta) Circle Saw (Oliver) Band Saw (Oliver) 29"

Lathe (Atlas) 8"

Drill Press (Buffalo) 21"

Jointer (Oliver) 16" x 102"

Lathe (American) Planer 24" x 48"

1 Combination Saw (De Walt)

Intercontinental Equipment

Tool and Die

- 1 Boring Mill 3" (Lucas)
 1 Drill, Radial (Cincinnati-Bickford) 3'11"
 6 Drill Presses

- Die Filer (Oliver) SP-2 Die Filer (Oliver) Heavy Duty
- Grinder, Surface (Reid) Grinder, Surface (Doall) G-10
- Grinders, Pedestal
- Grinder, Surface (Pratt & Whitney) 14" x 36"
- Master Disc Grinders
- Lathes, Engine (Monarch) 16"
- Mill, Horizontal #2H (Kearney & Trecker) Mill, Vertical #2D Rotary Head (K & T)

- Jig Bore, Knight #40 Mill, Vertical #5 (Reid & Prentice)

- Shaper (Cincinnati) 20" Shaper (Cincinnati) 24" Planer 36" Openside (Rockford)
- Kalamazoo-Cutoff Band Saw

- Contour Saw (Doall) 16" ML Contour Saw (Doall) 36" ML-V-36 Band Filer (Doall) 16" BF
- Hydraulic Arbor Presses
- 200 Amp. Arc Welders (Hobart)
- Gas Welding & Cutting Equipment
- Sight Levels

- 2 Sight Levels
 1 Precision Boring Head
 1 Sander—Thor, Portable Disc
 1 Grinder—B & D, Portable Hand
 1 Rotary Table, 36"
 1 Rotary Table, 12"
 2 Rotary Tables, 18"
 4 Dividing Heads
 1 Hack Saw—Marvel
 1 Surface Table, 4' x 8'
 3 Height Gages, 24"
 4 Height Gages, 12"
 2 Calipers—Verniers, 12"
 1 Set Gage Blocks—Johannson

Paint and Process

- Degreaser (Detrex)
 Mtr. Generators (Anodizing) 40V, 500, 20KW
 Mtr. Generator (Anodizing) 40V, 750, 30KW
 Mtr. Generator (Cad Plate) 6/12, 100/500

- 21 Paint Pressure Pots (Binks) Mod. Q
- 1 Paint Pressure Pot (Crown) Mod. 22
- 12 Spray Guns
- Sand Blast Machine (Pangburn) 53EN2
- Spot Weld Etch Tank 6' x 3' x 4 Anodizing Tank 3' x 15' x 4½' Degreasing Tank 10' x 2.5' x 4'

- Cadmium Plating Tank 7' x 5' x 4'
- Electrolytic Cleaning Tank 31/2 x 4 x 4
- Electrolytic Cleaning Tank 3 x 15 x 41/2
- Aluminum Aging Oven 8' x 10 ' x 20'

- Aluminum Aging Oven 8' x 10' x 20' Spray Guns and Cups
 Dip Tank Wills Agitators 3' x 4' x 12' Air Dryer 3' x 5' x 12'
 Alum. Anodize Tank 3' x 15' x 4½' Alkaline Cleaning Tank 3' x 15' x 4½' Neutralizer Tank 3' x 15' x 4½' Hot Water Rinse Tank 3' x 15' x 4½' Acid Pickle Tank 3' x 15' x 4½' Cold Water Rinse Tank 3' x 15' x 4½' Caustic Soda Cleaner Tank 3' x 12' x 4½' Chromatize Tank 3' x 4' x 10'
- Chromatize Tank 3' x 4' x 10'
- Sand Blast Machine-Intercontinental, 5' x 5' x 10'

Warehouse, Receiving and Shipping

- Lift Truck (Clark) 4,000 Lbs.
 Lift Trucks (Towmotor) 3,000 Lbs.
- Trucks, Choreboy (Buda) Mod. B
- Scale, Platform (Fairbanks)
- Scale, Platform (Howe) 1,500 Lbs.
- Scales, Counting (Toledo) 40 Lbs.
- Station Wagon (Buick) 1950
- Scale, Platform (Howe)
- 1 Shop Cycle (Cushman)

Maintenance

- 4 Air Compressors, 153 CFM @ 100 PSI 3 Ingersoll Rand

 - 1 Chicago Pneumatic
- 1 Boiler (Kewanee 3X) 130 H.P.
- Boiler (Fitzgibbons) P-89 109 H.P.
- Grinder Tool (Kenmore)
- Grinder Bench (Thor) 4832
- Pipe Threader (Oster) 2" Mod. 502
- Welder, Arc (Hobart) Jointer, Wood (Walker-Turner) Concrete Mixer 7½ Cu. Ft.

- Planer, Wood (Boice-Crane) 18" Circle Saw (Walker-Turner) 10"
- Jig Saw (Delta) 24'
- Belt Sander (Porter Cable)
- **Drill Presses**
- Arbor Press, Hydraulic 25 Ton
- 1 Band Saw (Wallace) #16

Inspection

- Magnaflux Inspection Machine
- Magnaflux Demagnetizing Unit

- Magnanux Demagnetizing Unit
 Microscope, Toolmakers (Gaertner)
 Gauge Block (P & 2W 81-E)
 Tester, Tensile (Dillon) Mod. B
 Tester, Hardness (Rockwell) (Wilson) 4-R
 Tester, Hardness (Rockwell) (Wilson) 4JR
 Super Micrometer (Pratt & Whitney)
- Angle Computer 3-111
- Shadow Graph Comparator

Laboratory

- Oven Drying Electric (Precision-Thelco)
- Bench Chem Test 48 x 96
- Analytical Set Plating Thickness-(Kokur)
- Tester Tensile 5000 Lbs. (Tinius Olsen)
- Tester Tensile & Comp. 60,000 Lbs. (Tinius Olsen) Cabinet Salt Spray (Industrial)
- Microscope Metallurgical (Bausch & Lomb) Furnace, Muffle Electric 1000° F

- Meter (Beckman) PH Model G
 Press Specimen Mounting (Buehler)
 Polisher (Buehler) #1315AB
 Cutter Specimen (Buehler) #A52-010
 Balance, Analytical (Becker) Model #5A
 Tester, Spotweld (Detroit) Mod. PT
 Potentiemeter, Portchle
- Potentiometer, Portable
- Photographic Laboratory

