



DOWDING
INDUSTRIES

Making an impact. Leaving a legacy.

DOWDING ENTERPRISE
EQUIPMENT LIST

2020

STAMPING EQUIPMENT

MAKE	TONNAGE	BED SIZE	SPM	STROKE
Clearing (BT024)	1000	60" x 108"	30	25"
Clearing (BT030)	1000	72" x 108	20	20"
Minster (BT547)	800	42" x 60"	10	8"
Minster (BT025)	600	48" x 84"	0/80	6"
Bliss (BT001)	500	36" x 54"	25/50	6"
Cleveland (BT007)	500	41" x 60"	37	6"
Niagara (BT016)	400	48" x 120"	18/37	10"
Niagara (BT026)	300	48" x 60"	30/100	10"
Minster (BT018)	150	54" x 30"	90	6"
Minster (BT022)	75	24" x 36"	100	4"

PARTS FINISHING

3 – Tumblers

- Up to 100ft³

3 – 3 Wash Lines

2 – Shot blasting Machines

- Up to 72" table

2 – Straighteners

7 – Spot Welders

- 100 KVA

5 – Custom Assembly Cells

1– Lismac Brush Machine

1– Apex Deburring Machine



LASER EQUIPMENT

6 – Amada (4K) Laser

- Cuts up to 1" thick
- Bed size up to 144"x72"



BRAKE PRESS EQUIPMENT

4 – Amada Brake Presses

- Up to 143 Ton
- To 10" bed size
- Up to 14.8" ram opening



3 – Cincinnati Presses

- Up to 350 tons
- Up to 14' bed size
- Up to 14" ram opening

ROLL FORM EQUIPMENT

1 – Imcar 8' Wide CNC Roll Former with Siemens Control Board

WELDING EQUIPMENT

6 – Robotic Welders

- Automated weld cells capable of welding parts ranging from 1 inch up to 6 feet in length

9 – MIG Welding Booths

- Crane up to 15 Ton

3 – TiG Weld Booths

1 – Aluminum Booth



WELDING PROCESSES

GMAW: Mild Steel, Stainless Steel, Aluminum capabilities. Short Circuit (not recommended), Globular, Pulse and Spray Transfer.

FCAW: Mild Steel. Short Circuit (not recommended), Globular, Pulse, and Spray Transfer.

GTAW: Mild Steel, Stainless Steel, Aluminum capabilities.

All Weld Operators are trained and certified in all welding processes they perform including 1G, 2G, 3G, 3F, 2F, and 1F positions. Any other welding positions are qualified and certified per customer requirements.

All welding equipment is annually calibrated and certified to assure proper operation in accordance with the manufacturer's parameters. In addition, Dowding has a preventative maintenance program to include weekly and monthly maintenance. Any major repairs are performed by a certified repair facility.

VERTICAL MACHINING CENTERS

Vertical CNC Machining Centers

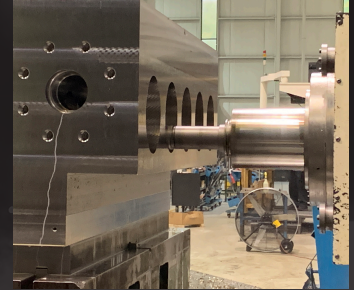
- **Small Capacity**
 - 1 – Brother Pallet Changing 18x24x22
- **Medium Capacity**
 - 1 – Mazak Pallet Changing 144x20x20
 - 6 – Fadal 65x35x32
 - 4 – Quasar 50x27x24
- **Large Capacity**
 - 2 – Amerisieki 79x59x32



HORIZONTAL MACHINING CENTER

Horizontal CNC Machining Centers

- **Medium Capacity**
 - 2 – Mazak Pallet Changing 28x28x31
 - 1 – Makino 28x28x31
 - 1 – Haas Pallet change 22x25x22
- **Large Capacity**
 - 1 – Giddings-Lewis HMC1250 Pallet Change 50x50x59
 - 1 – Giddings-Lewis PT1800 Boring Mill 168x72x48
 - 1 – Giddings-Lewis RT130 79x59x59



Turning Centers

- 1 – Ameriseiki – 12" chuck 3.5' bar capacity
- 1 – Doosan – 12" chuck live tooling



PRECISION PROCESSES

3 – Giustina R242 Double Disc Grinders 30"

1 – Mattison Tub Grinder 42"

SOFTWARE

ProE

AutoCAD

Gibbs

MasterCam

Solid Works

UniGraphics

PCDmis CMM Programming

MeasureMax

Lemoine

CAM Q2 Software for FARO

Laser

Sigmanest Laser Programming

Microsoft Vision