

MECO SALTILLO OPERATIONS

Industrial Business

FACILITIES AND BASIC OPERATIONS



MECO Saltillo Operations

- 5 Facilities: 35,000 sft each

Basic Operations:

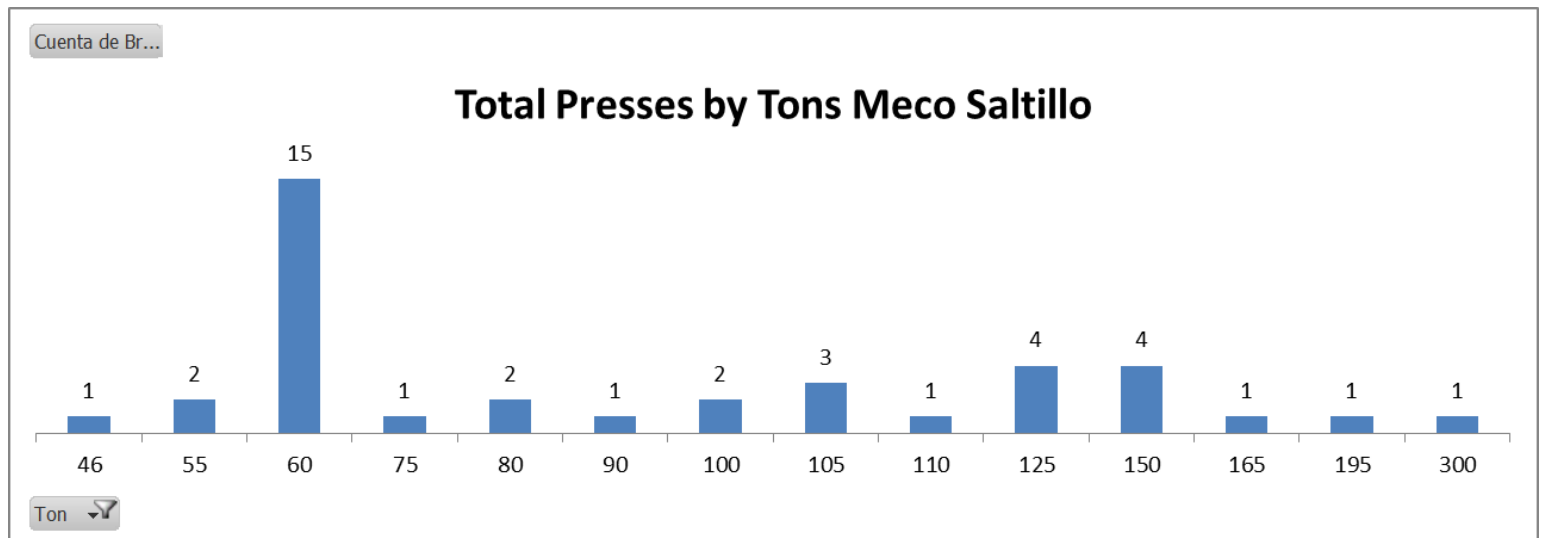
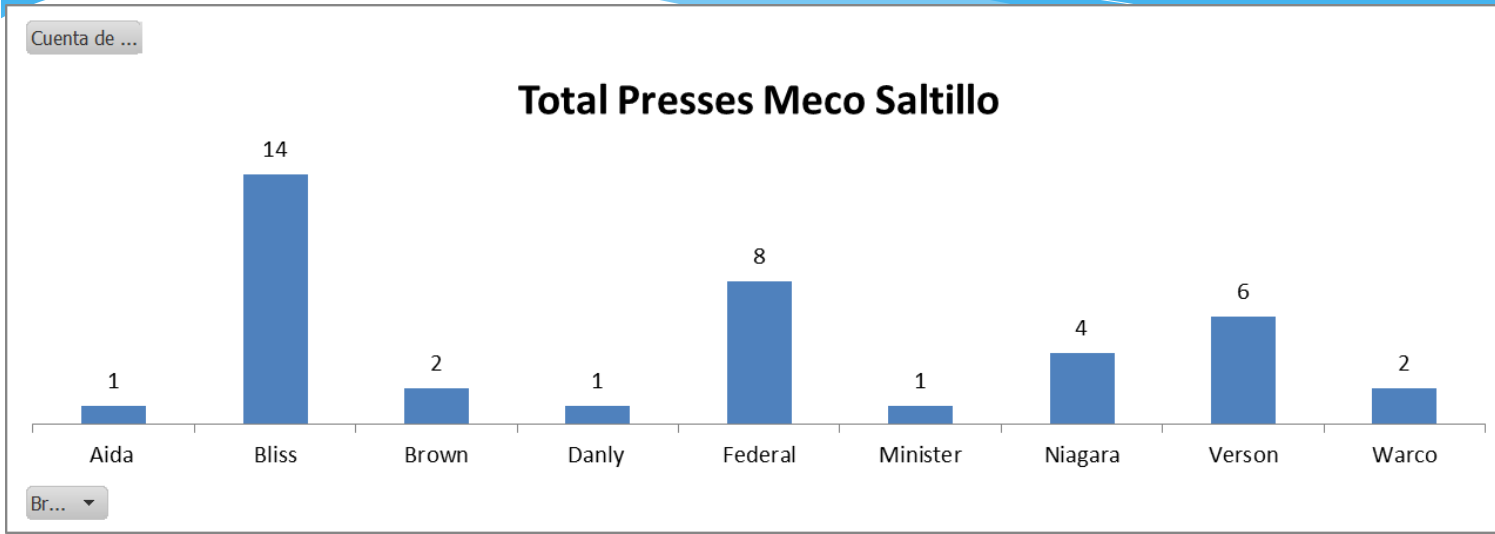
1. Stamping
2. Welding
3. Painting (electrostatic coat)
4. Assembly



STAMPING PRESS INFORMATION

Quantity	Brand	Ton	Bolster		Shut Height		Adjust	Stroke	HPM
			Min	Max	Min	Max			
1	Aida	165	30 x 46		15.74	15.74	3.93	7.87	30 a 55
15	Bliss	60 to 195	22 x 32	42 x 36	16	31.5	2.5 to 8	6 to 12	21 to 90
2	Brown	80	25 x 36	25 x 36	16.25	16.25	3.5	6	40
1	Danly	110	27 x 42		15	15	3.5	6	40
8	Federal	46 to 125	14.75 x 27	30 x 60	13	18	2.5 to 6	3 to 5	40 to 180
1	Minister	300	42 x 48		34	34	8	14	20 to 40
2	Niagara	60	21 x 32		14	14	3.5	4	60 to 100
2	Niagara Hid	55			7	13			
7	Verson	90 to 125	21 x 34	31 x 47	18	21	4	8	35 to 90
2	Warco	75 to 100	22 x 32	30 x 38	16	18	3	8	60 to 68

PRESSES TYPE AND NUMBER



DIFFERENT TYPE OF PRESSES



WELDING PROCESS

MECO Saltillo Operations have:

- 6 MIG Welding stations
- 2 Inductive Welding stations



CLEANING & PAINTING PROCESS



- Cleaning tunnel have 5 different stages: Alkaline, rinse, phosphate, rinse and seal
- Parker Ionics electrostatic Painting equipment
- 2 Painting Booths & 4 Modules for color changing (5,600 pcs x shift)
- Max. part size and weight: L 72", W 36", H 60"; 110 lbs.



ASSEMBLY & PACKING PROCESS



In the Assembly and packing area we have:

- * Assembly modules for different operations
- * Belt conveyor for Finish good transportation to packing
- * 2 Stretch Wrapping modules

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QUALITY LAB



* Quality lab basic instruments:
calipers, height calipers
Micrometer, Hardness tester, Marble
table, Gloss meter
Paint attach tester, tension tester, Faro
arm CMM



TOOL ROOM EQUIPMENT

FADAL CNC Machine measures:

- 20 X 20 X 40
- 3 X
- Cat 40
- 10.000 RPM



Chevalier Grinder measures:

DESCRIPTION

Table Size

Max Travel X Axis

Max Travel Z Axis

Dist from Table Surf. to Spindle Centerline

2460ADII

24"x59"

63"

27 3/8"

33 9/16"

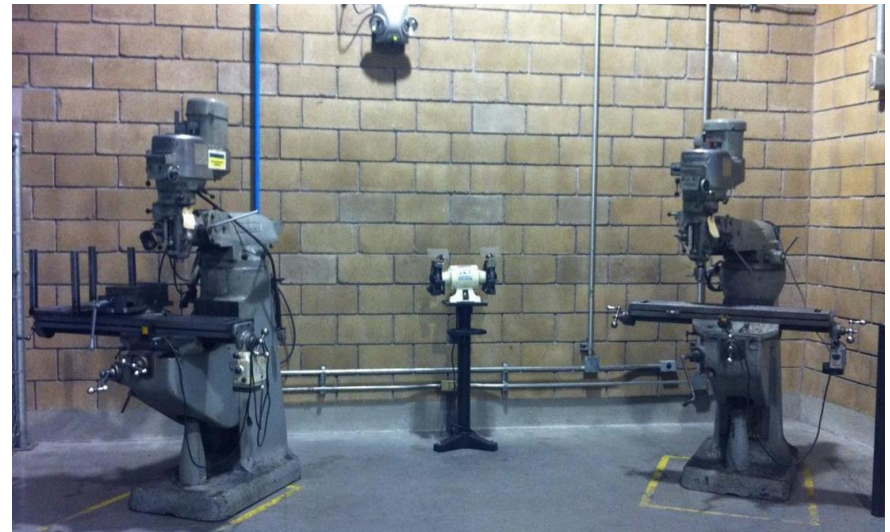


TOOL ROOM EQUIPMENT

Mill Bridgeport
Series 1

Lathe machine measures:

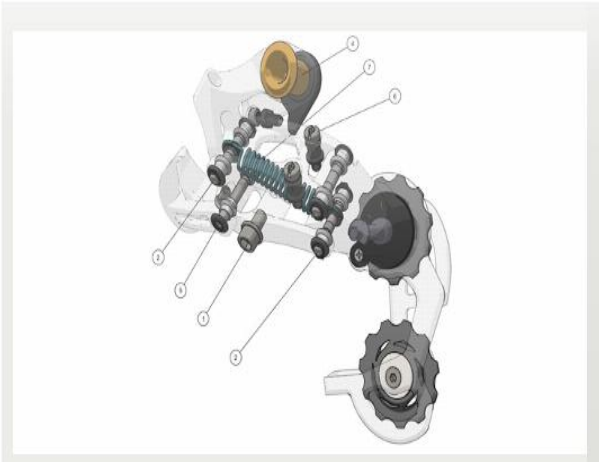
- R8"
- 55" Between points



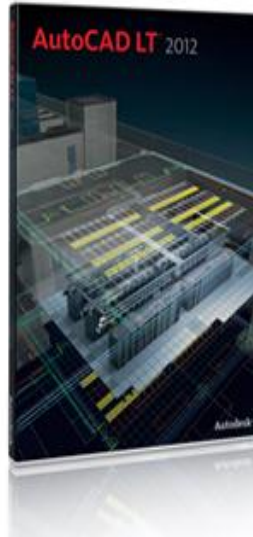
CAD- CAM Capabilities

PTC®
the product development company

Creo



AutoCAD LT



Design Engineering

- Create 3D design for Stamping Die Tool
- 3D design for fixtures and mechanical devices.
- 3D design for development products concept.
- Create CNC codes for milling



Reverse Engineering

* We have available FaroArm to get accurate dimension for reverse engineering parts.

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