

MEPASA

METALPARTES
CADEREYTA SA DE CV

Our History

Metalpartes Cadereyta was founded on 1997, the principal porpuse was to provide the die casting parts on a company from Grupo ILSA who was founded on 1981.

As time passed the company keep growing and developing more process, so today our capabilites are the next:

- Die casting
- Plastic injection molding
- CNC machining
- Die stamping
- Zinc plating
- Tin plating
- Led lighting
- Electostatic painting
- Assembly process
- Mold manufacturing and maintenance
- Electric parts

Infrastructure

We have an extensive infrastructure and equipment available, these are located on two different locations (200 meters apart from each other).

Location 1:

Land: 5,686.9 m^2

Construction: 5,042.27 m^2

Location 2:

Land: 38,641.82 m^2

Construction: 3,679.64 m^2

Die casting

Capabilities

Brand	Ton	Mold size (mm)	Mold thickness (mm)	Injection weight (kg)	Quantity
LK	400	620 x 620	300 – 700	2.7 – 4.7	1
LK	400	669 x 669	300 – 700	2.7 – 4.7	1
LK	1,250	1,100 x 1,100	450 – 1,180	13.0 – 25.4	1
Lester	600	762 x 685	440 – 700	3.5 – 5.3	3

Equipment



LK-1250 Ton



LK-400 Ton

Equipment



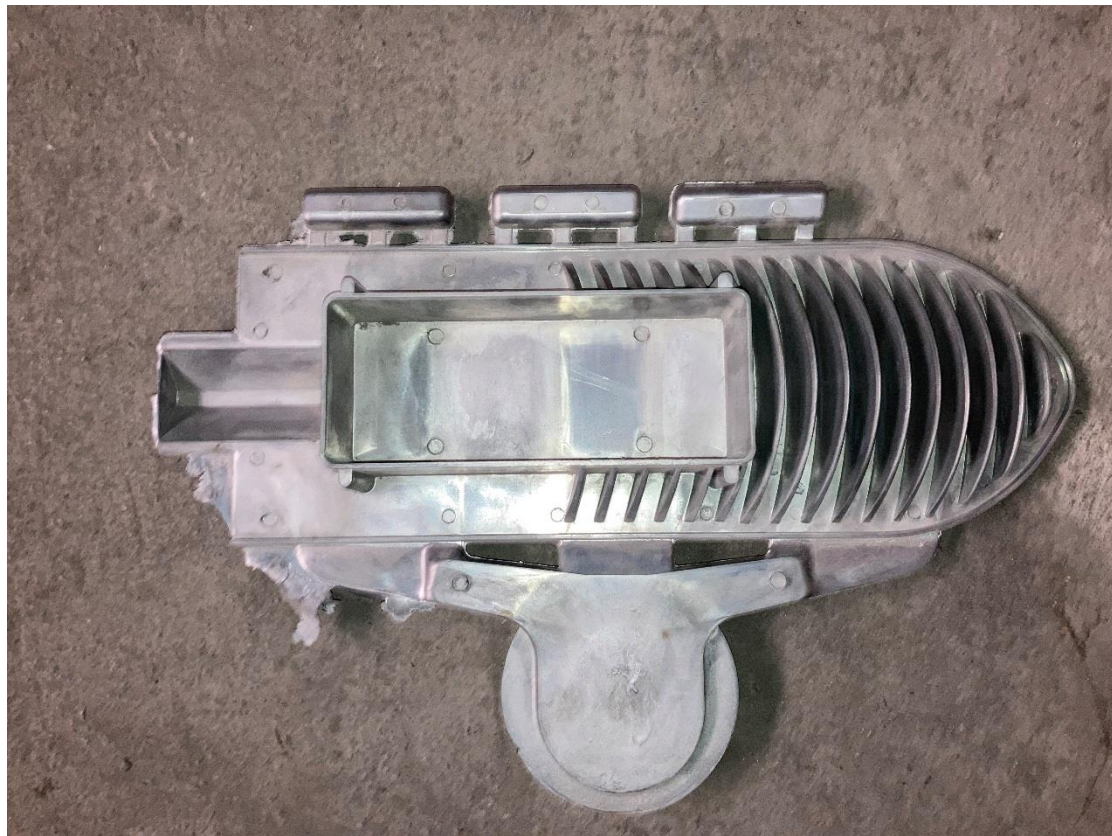
Automation equipment to improve and keep a continuous process

Equipment



Trim presses

Parts





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Parts



Parts





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Parts



Secondary operations

DEBURRING



Secondary operation

ELECTROSTATIC PAINTING



Secondary operation

SHOT BLAST



Secondary operation

VIBRATING



Secondary operation

ASSEMBLY PROCESS



Plastic injection molding

Capabilities

Brand	Ton	Space between bars (cm)	Min - Max mold height (cm)	Injection weight (g)	Quantity
Belken	440	76 x 71	38 – 98	1,500	1
Euroinj	355	68 x 68	28 – 78	1,226	2
Belken	280	65 x 60	21 – 62	675	1
Euroinj	255	58 x 58	25 – 60	550	2
Taimex	240	56 x 56	23 – 58	500	1
Tederic	160	47 x 47	20 – 53	300	1
Tederic	80	32 x 32	12 – 33	105	1

Equipment



TAIMEX 240 Ton



EuroInj 255 Ton

Equipment



Automatic charger



Dryer



Shredder

Parts



CNC Machining

Capabilities

Brand	Model	Type	Travel X	Travel Y	Travel Z	Maximum weight	Quantity
Hartford	PRO-3210	Vertical CNC	118"	79"	39"	8,000 kg	1
HAAS	VF-5	Vertical CNC	50"	26"	25"	1,814 kg	2
HAAS	VF-1	Vertical CNC	20"	16"	20"	1,361 kg	2
HAAS	TM-2	Milling CNC	40"	16"	16"	453 kg	1
HAAS	SL-30	Lathe turning	14.5"	34"	-	-	1
HAAS	SL-20	Lathe turning	10"	20"	-	-	2
HAAS	SL-10	Lathe turning	14"	14"	-	-	1
MAINCASA	TF-8L	Lathe turning	18"	24"	-	-	3

Equipment



Hartford PRO-3210



Vertical machining

Equipment



Turning lathe zone

Parts



Before



After

Parts



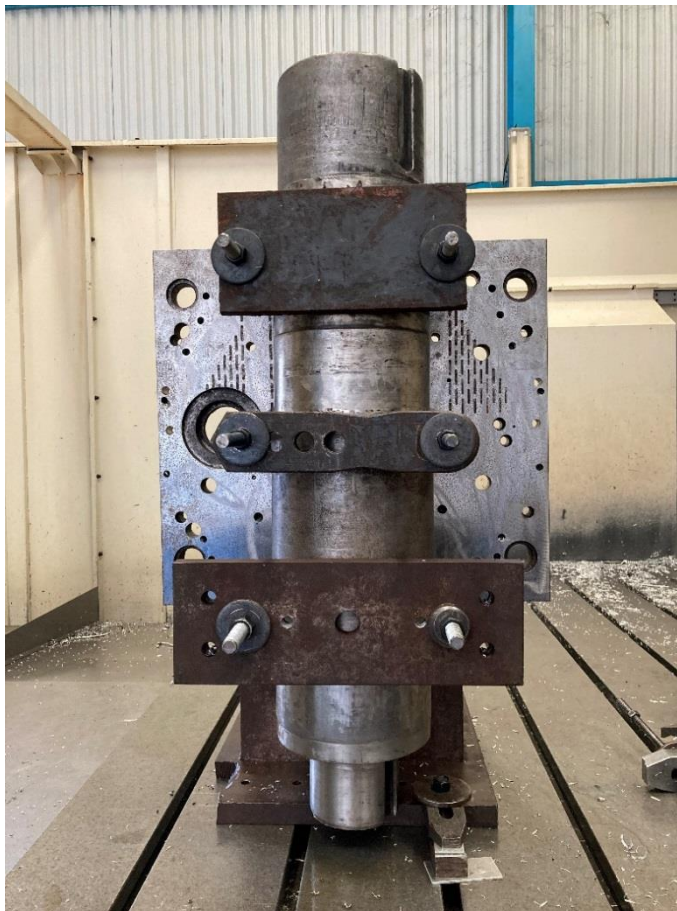
Before



After

Parts

HIGH DIMENSIONS





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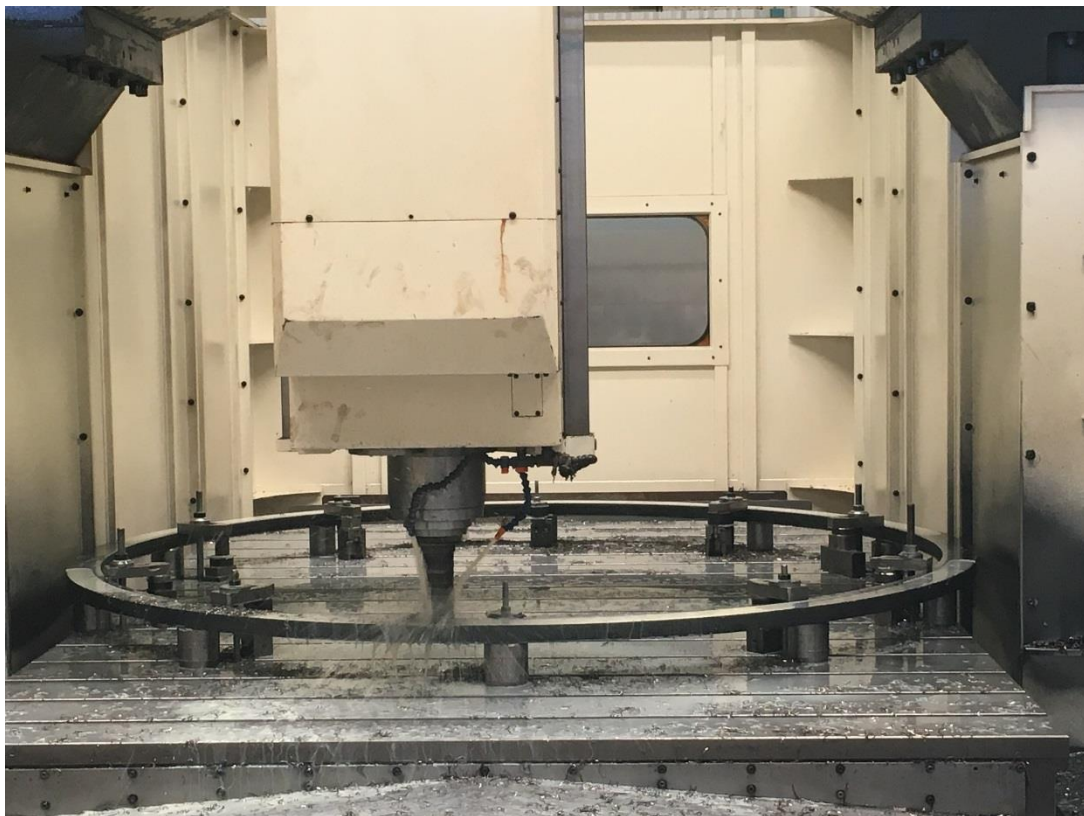
Parts

HIGH DIMENSIONS



Parts

HIGH DIMENSIONS



Parts

TURNING



Parts

TURNING



Parts

ON REQUEST



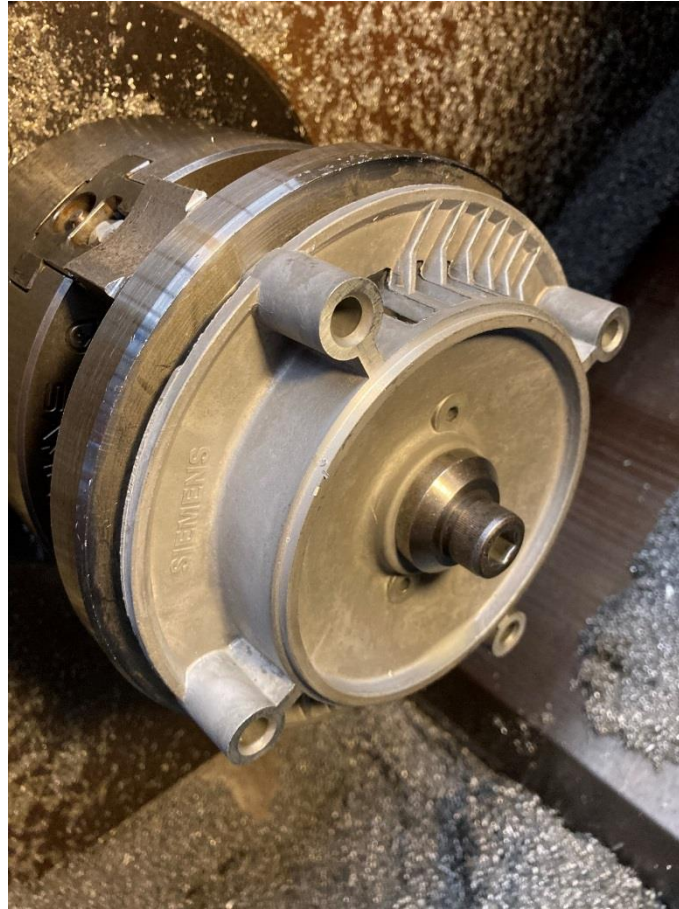
Parts

TURNING



Parts

MACHINING AND TURNING



Machining process for die casting parts

Parts

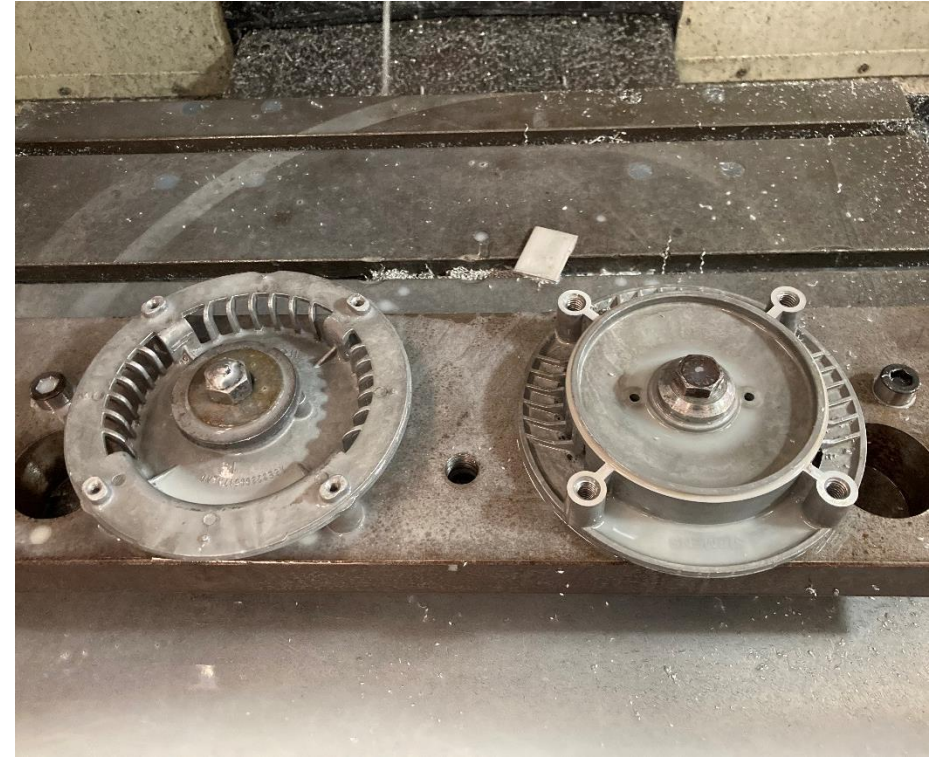
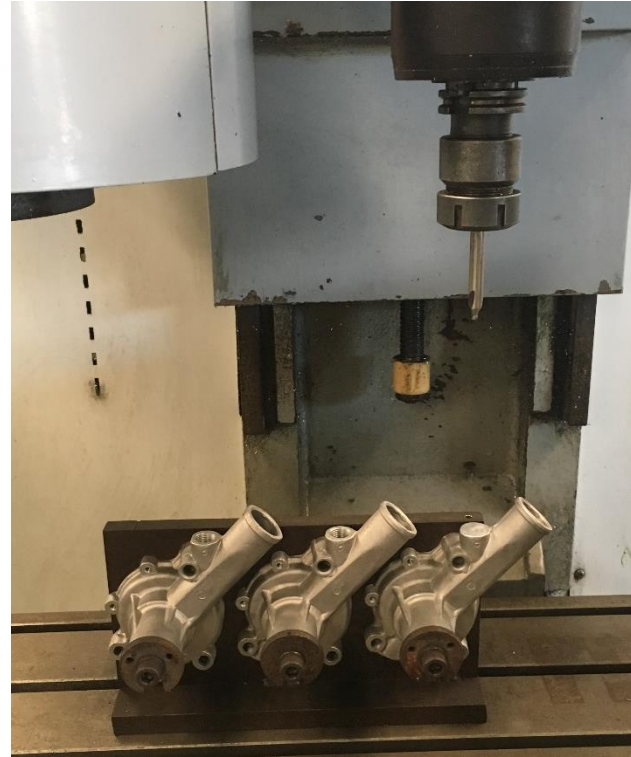
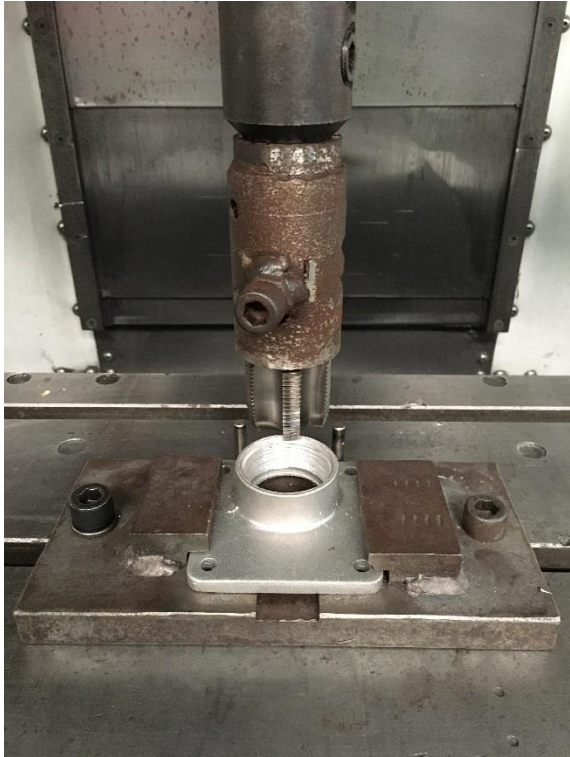
MACHINING AND TURNING



Machining process for die casting parts

Parts

MACHINING AND TURNING



Machining process for die casting parts

Die stamping

Capabilities

Brand	Ton	Quantity
Rouselle	5	1
Federal	25	1
Galato	30	1
Niagara	50	1
Niagara	50	1
Minster	70	1
Minster	100	1
Bliss	10	1
Niagara	35	1
Rouselle	10	1
Niagara	18	1
Bliss	15	1

We have a wide variety of equipment available that can work with the following materials:

- Brass
- Bronze
- Copper
- Metal sheet
- Steel roll
- Steel wire
- Aluminum

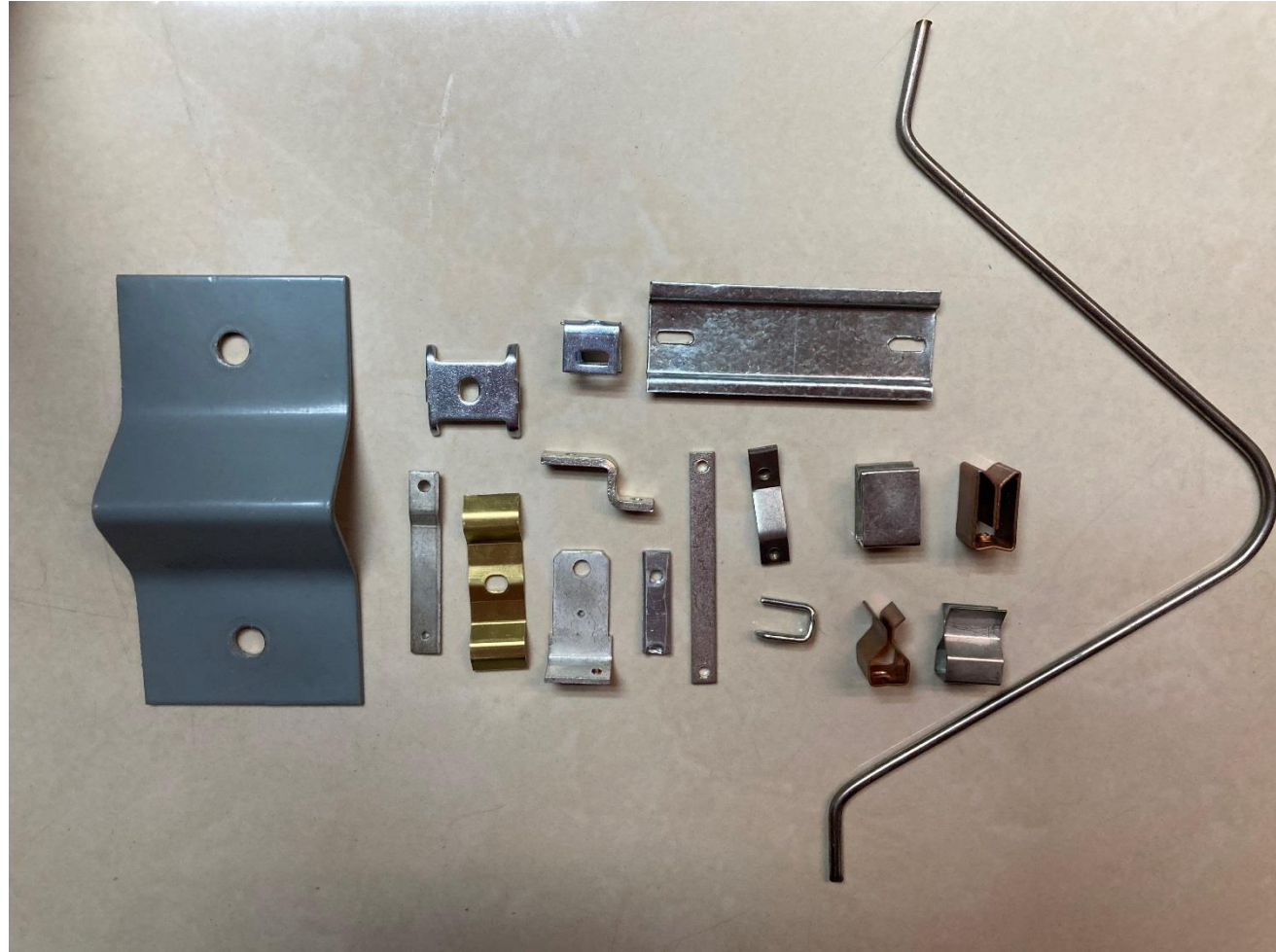
Equipment



Equipment



Parts



Zinc and tin plating

Two available barrel process lines (one for zinc plating and one for tin plating), our actual capability is 30 Ton monthly.

Diferent barrel size are used depending on the part size (example metal sheet on big barrel and screws on small size barrel).

Equipment



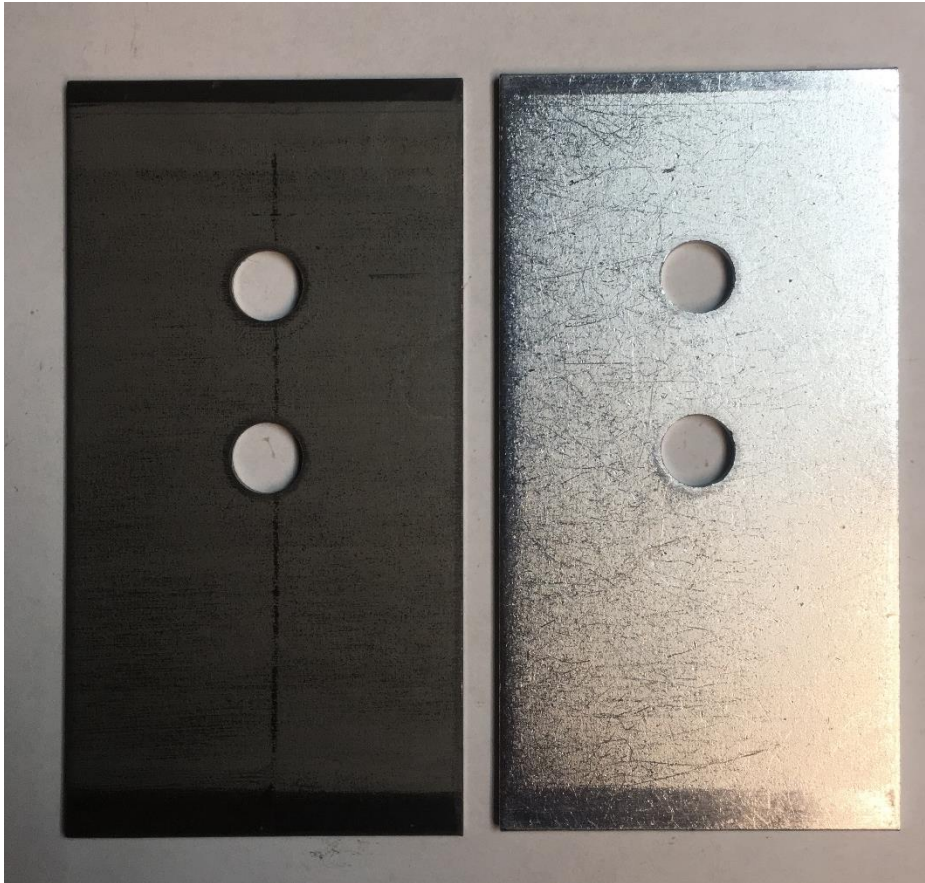
Left lane for zinc plating and right for tin plating

Equipment

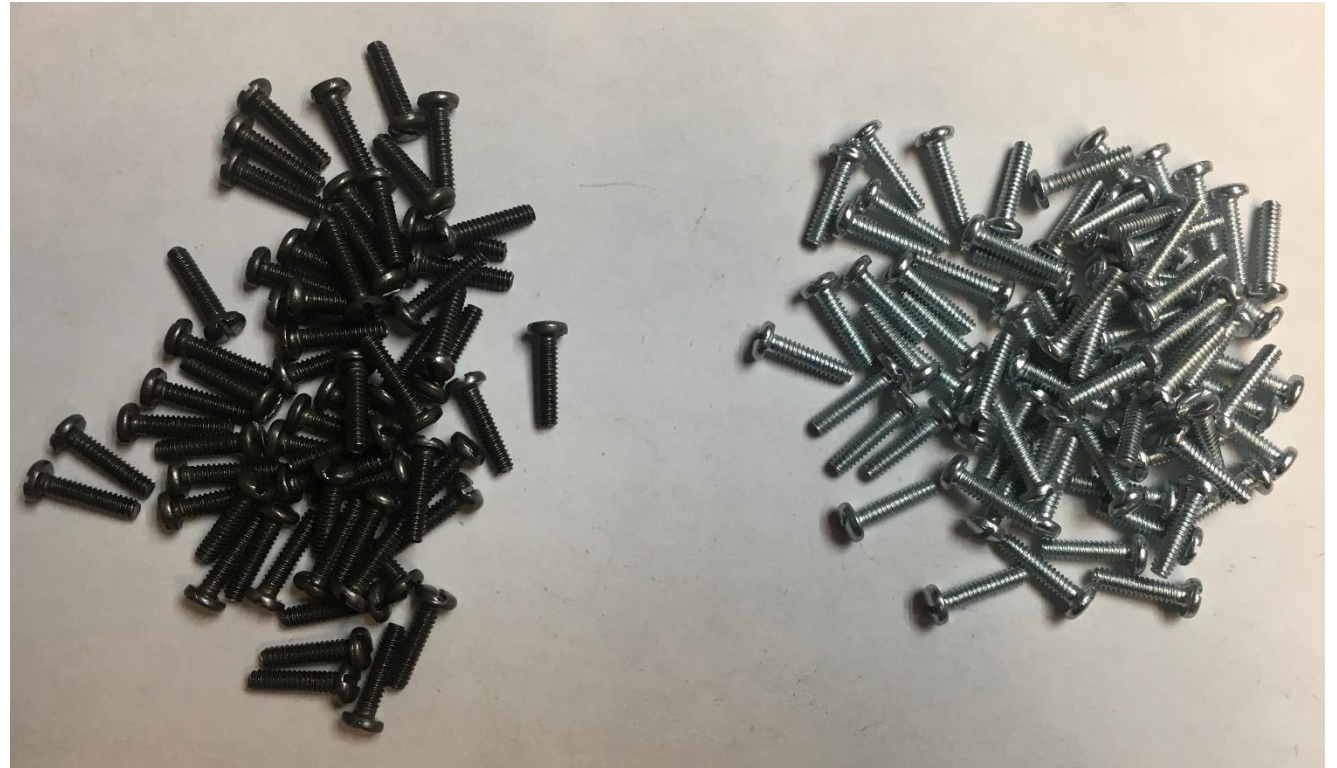


Barrel for process

Parts



Before – after process



Before – after process
Black Steel screws

Parts



Before – After process
Brass, bronze and copper

Assembly process



We can assembly many parts, different lines are available

Ilumax Led lighting

Complete street Led lighting manufacturer (design – development – die casting – machining – painting and assembly).

We use the best available components to warranty our quality, last, save and satisfaction of our customers.

All of our products are certified by mexican oficial NOM:

- NOM-003-SCFI-2004 (NMX-J-307-ANCE-2017)
- NOM-031-ENER-2012

We have 3 available models, all with the same quality and warranty to satisfy our customers needs.

IL – 30 W

IL – 50 W

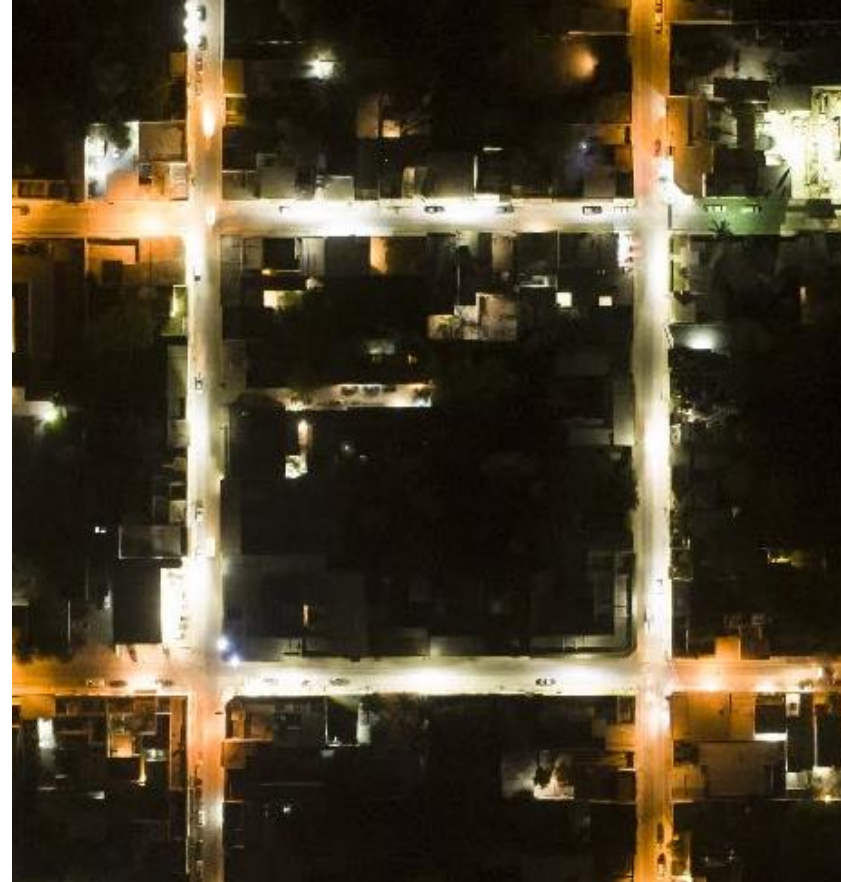
IL – 60 W



Led lighting



Aerial view with sodium vapor lamp



Aerial view with Ilumax IL-60W

Led lighting

COMPONENTS

We use the best available components to warranty our quality, last, save and satisfaction of our customers.



LED



OPTIC



BOARD



DRIVER



SUPPRESSOR

Mold manufacturing and maintenance

More than 20 years of experience in manufacturing molds, dies and tooling for die casting and plastic injection process.

Manufacturing:

- Molds
- Dies
- Sprue bushing
- Cavity inserts
- Plunger
- Plunger tips
- Core pins
- Ejector pins

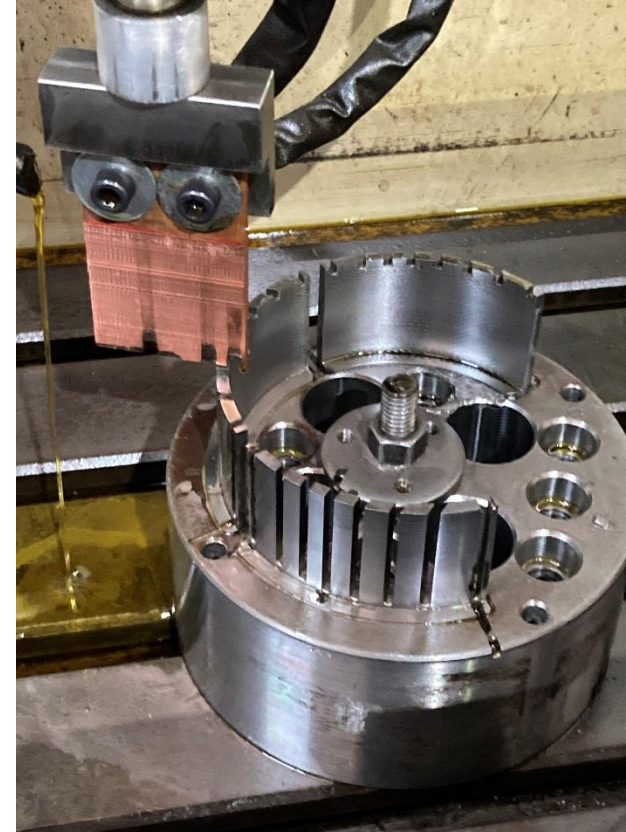
Maintenance:

- Pins (ejector and core)
- Tooling care and maintenance

Molds

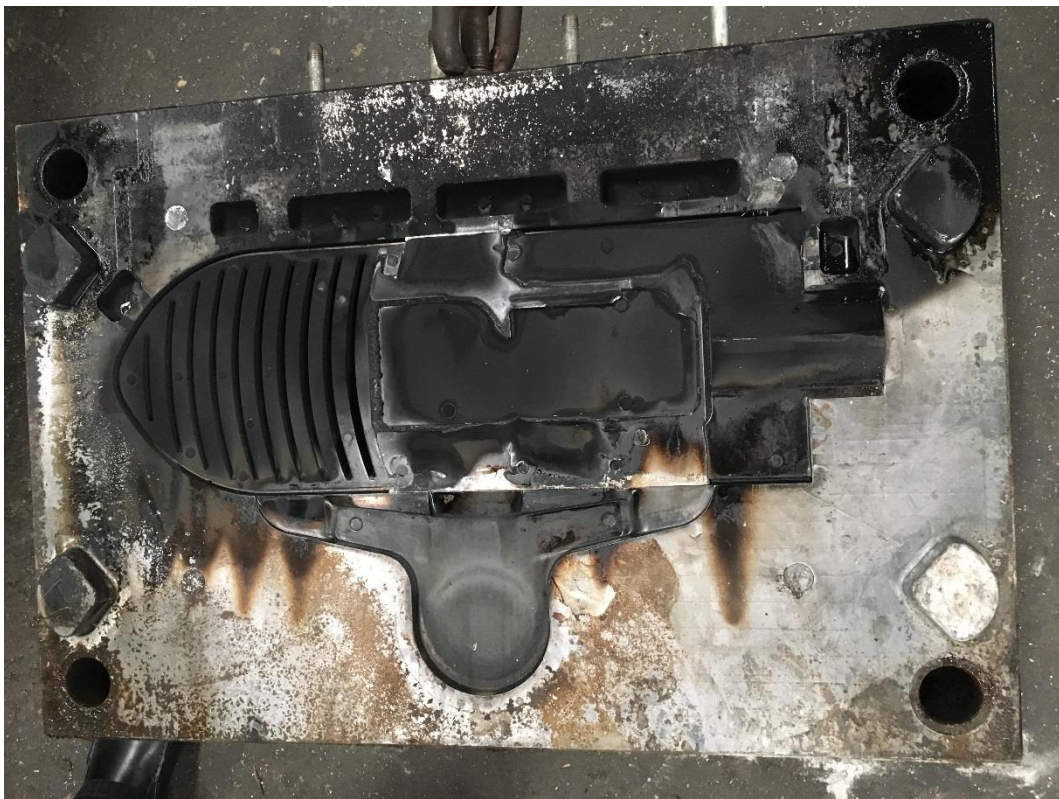


EDM process on mold

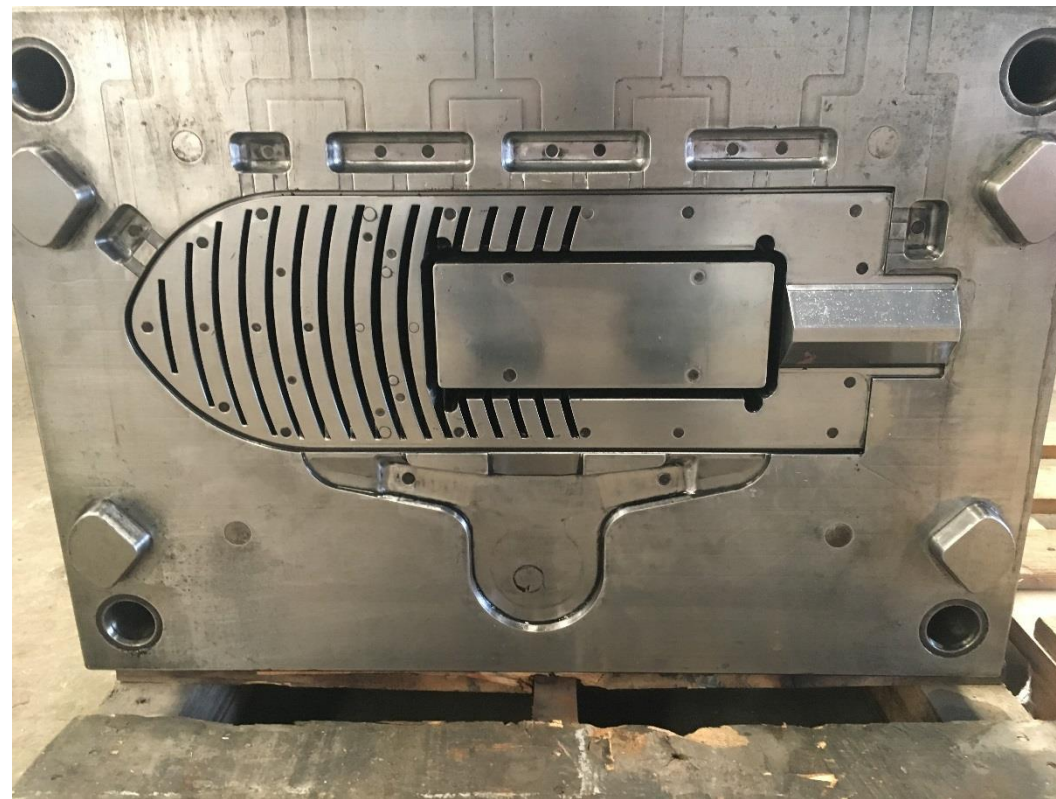


EDM process on die

Molds



Before maintenance



After maintenance

Plunger tips



Plunger tips manufactured on gray iron

Electric parts



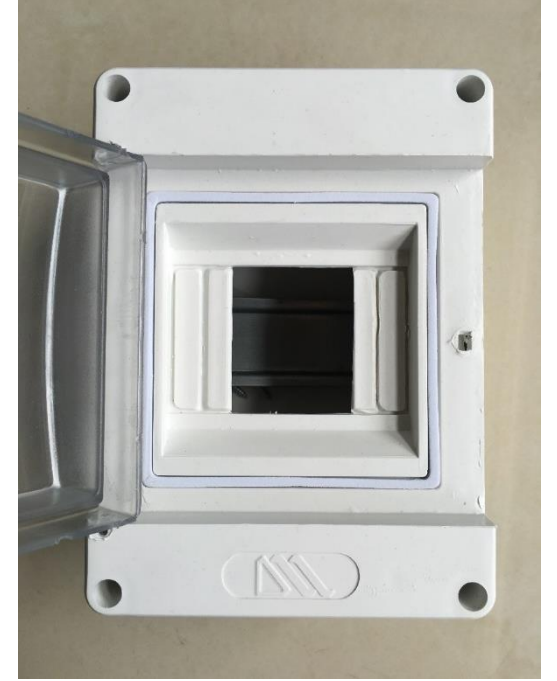
Meter socket, 600 VCA 100 A
Ends thread on 1 1/4"



QD type load center



QD type load center

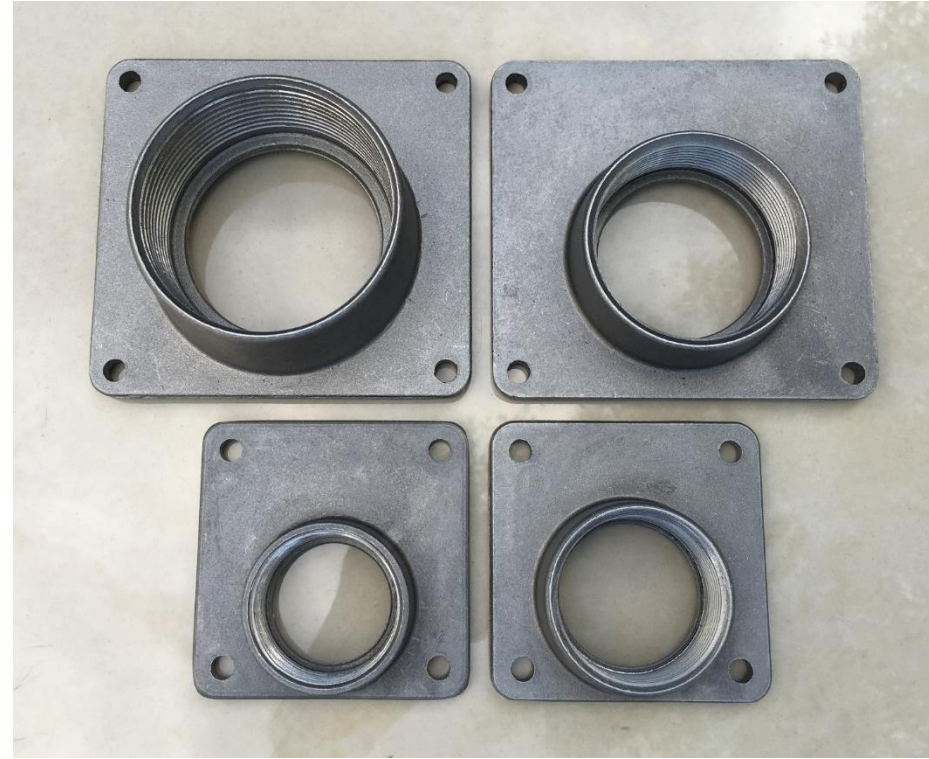


Riel din type load center

Electric parts



Weather head 32 mm (1 1/4")



Meter socket hub on 1 1/4", 1 1/2", 2" y 2 1/2"

Electric parts



Inner part



Fifth terminal jaw

Contact

Metalpartes Cadereyta SA de CV
Sendero Divisorio # 206 Sur Colonia Padilla
Cadereyta Jiménez, Nuevo León
México
CP. 67480
Teléfono: 01 (828) 284 2004
Sales: villarrealmarcot@hotmail.com
www.grupoilsa.com