

# KUNARK HITECH MACHINING & SALES PVT.LTD.



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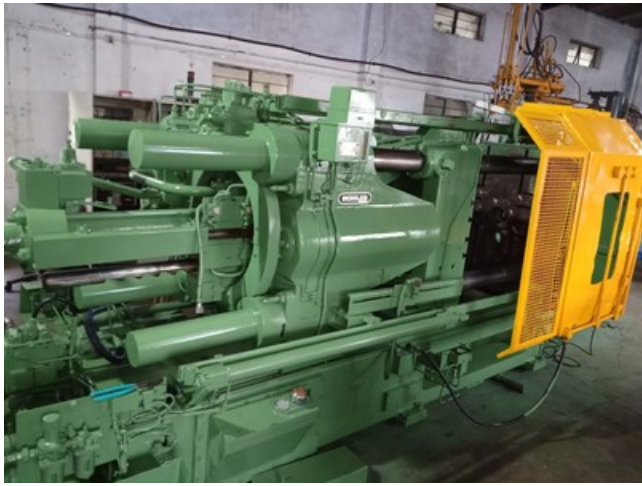
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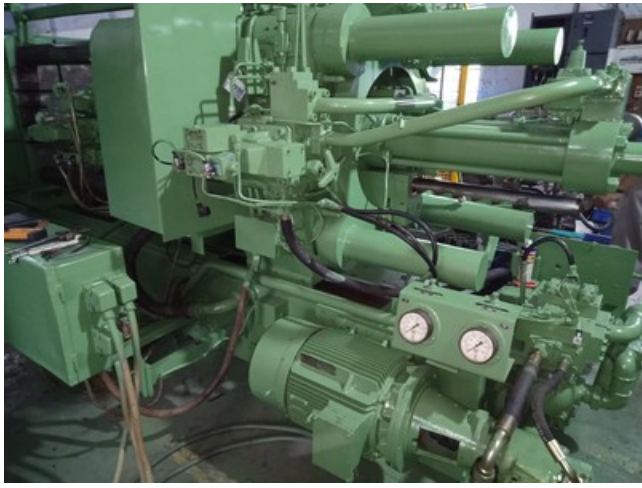
Goggle Map:- <https://maps.google.com/maps?q=19.372000+72.902095>

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Video :-

please click here for video no. 01	
please click here for video no. 02	
please click here for video no. 03	
please click here for video no. 04	

<b>Machine Id</b> :- 1147	<b>Serial No</b> :- 10068259
<b>Category</b> :- Rebuilt Pressure Die Casting Machine	<b>Model</b> :- H 400 D2
<b>Country</b> :- Switzerland	<b>Make</b> :- Buhler
<b>Type of Machine</b> :- Rebuilt Horizontal Cold Chamber Die Casting Machine	<b>Year</b> :-
<b>Weight</b> :- 0.0	<b>Dimensions</b> :-
<b>Power</b> :-	<b>Location</b> :- Mumbai Warehouse,India

Specification :-

## **Scope of work carried out:-**

**Machine was completely stripped down and built from base :**

The tank was thoroughly cleaned and drained off old debris accumulated over the years. All fittings/ pipes were flushed out thoroughly and seals replaced. The machine parts were repainted.

**Mechanical Work :** Toggle system checked and found within tolerance. Tie Bars & Bushes found satisfactory , no scratches on bars working area. Moving Platen & Fixed Platen geometry checked and skimmed where needed. Bed plates were reground and old shoes replaced with new ones.

**Hydraulics :** All base valves cleaned and replace old seals with new one. All Solenoid Valves & top valve replaced Cylinder and intensification unit cleaned and seals replaced. New Pump and Motor , Suction filter & Oil filter replaced base valves , top valves Intensification unit & cylinder resealed

**Electrical :** The machine has been rewired with New PLC Delta

**Guarding :** Guards are original Buhler and adjusted and mechanically secured. Operator side is pneumatic automatic & other side is manual. are all guards on machine , operator guard in automatic or manual

**Rebuilt Buhler Horizontal Cold Chamber Die Casting Machine Model H-400-D2 with Direct Injection System**

### **Specifications:**

**Locking force (nominal) Mp 400**

**Locking Force (strain gauge) Mp 400+ max.10%**

**Injection force (with intensifier) adj. Mp 38,5**

**Hyd. Ejection force Mp 22**

**Die Mounting Plates H X V mm 920 x 980 in 36 1/4 x 38 1/2**

**Space Between tie bars H X V mm 580 x 640 in. 22 7/8 x 25 1/4**

Tie bar Diameter mm 120 in 4 3/4

Max. Die height mm 750 in 29 1/2

Max. Die height ( With mot. Die height) mm 725 in 28 1/2

Min. die height mm 200 in 7 7/8

Die opening stroke mm 600 in 23 5/8

Injection Plunger stroke mm 400 in 15 3/4

Ejector Stroke, adj. mm 145 in 5 3/4

Free cycle time sec. 7

Motor Capacity (22 kw) Hp 30 (22KW)

Machine area m 6.1 x 1.65 ft. 20 1/4 x 5 1/2

Machine Weight \* tons 12,5

Hydraulic fluid contents litres (+,-) 650 Imp. Gallons (+,-) 121

**Production data**

Plunger Diameter	60mm 2.36 in.	70mm 2.76 in.	80mm 3.15in.	90mm 3.54 in.	100mm 3.94 in	110mm 4.33 in
Short capacity for Aluminum	2 kp 4.4 lbs.	2.7 kp 5.9 lbs.	3.6 kp 7.9 lbs.	4.5 kp 9.9 lbs	5.6 kp 12.3 lbs	6.8 kp 15 lbs
Max. injection pressure	1360 Kp/cm <sup>2</sup> 19300 lbs/sq.in	1000 Kp/cm2 14200 lbs/sq.in	765 Kp/cm2 10870 lbs/sq.in	605 Kp/cm2 8700 lbs/sq.in	490 Kp/cm2 6950 lbs/sq.in	405 Kp/cm2 5750 lbs/sq.in
Nom. Casting area at above injection pressure	290 cm2 45 sq.in.	400 cm2 62 sq.in.	520 cm2 80.5 sq.in.	660 cm2 102 sq.in.	815 cm2 126 sq.in.	985 cm2 155 sq.in.

\* Metric tons at 2205 lbs.

\* Shot capacity is calculated: plunger area x plunger stroke x 75% filling rating specific gravity for liquid Aluminum = 2,5 or 0,09lbs/sq.in.

For magnesium alloys multiply by 0.65 for zinc alloys multiple by 2.5

For copper base alloys multiply by 3.2

\* Nom. Casting area at injection pressure of 250 kp/cm2 (3500 lbs/sq.in.) = 1600 cm2 (154 sq.in)

Specifications are subject to modifications with notice.