

# RATTAN FORGINGS

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Mfrs. of Friction Screw Presses, Forging Screw Presses, Billet Shearing Machines

AN ISO 9001:2015 CERTIFIED COMPANY





# RATTAN FORGINGS

LEADING MANUFACTURER AND EXPORTER OF -

1. Friction Screw Press (Down stroke) - 30 Tons to 800 Tons
2. Pneumatic Friction Screw Press (Down stroke) - 30 Tons to 800 Tons
3. Forging Press (Up stroke) - 50 Tons to 800 Tons
4. Billet Shearing Machine - 50 mm to 150 mm (M.S Round or Square)

## RATTAN FORGINGS

We are manufacturing these machines under well known/well established brand name 'Rattan Forgings' for more than 55 years. **Rattan Hammers** is our sister concern unit in Ludhiana Punjab India. **Rattan Forgings** is an ISO 9001:2015 certified company. Our products are technically very advanced. We are manufacturing our machines as per international standards. We have very good in-house advanced mother machinery/Infrastructure.



S. Karamjit Singh

We believe in the best so we have excellent team of engineers in our companies who results in manufacturing very high end accurate machinery at very reasonable prices.

The core founder of the group is **Late S. Rattan Singh Ji**, followed by **Late S. Piara Singh Ji**. It is their efforts and hard work that our machines enjoy enviable reputation and demand throughout India. Their legacy is now carried forward by **S. Karamjit Singh** who has developed machines to international standard and now exporting machines to different countries.

## OUR VISION

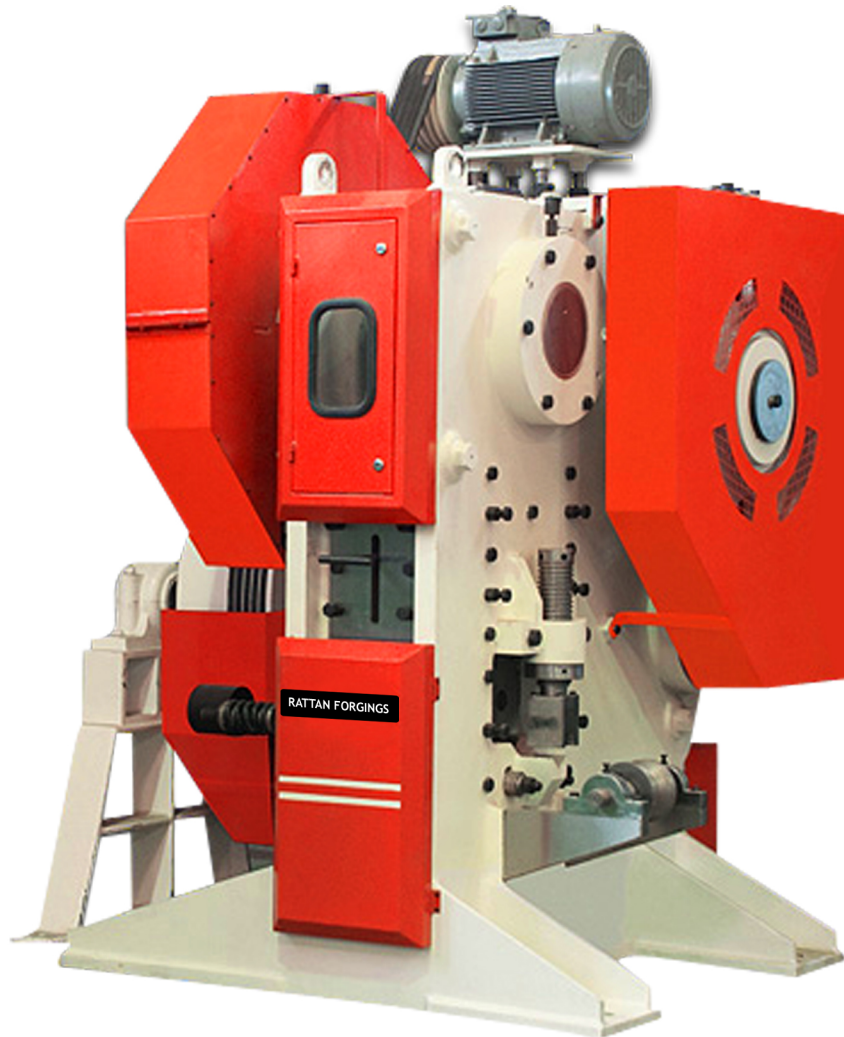
We strive to manufacture cost-effective machinery of world class quality maintaining industry standards. We promote quality, accountability and transparency for optimum customer satisfaction. Our company supports 'Make in India' initiative devised to transform our country into a global design and manufacturing hub. We are committed to serve our nation by providing high tech machines at reasonable prices promising value for money. We will always try to serve 'The Best' to our local as well as foreign customers.



## OUR MISSION

Our mission is to adopt and deliver latest world-class technology in our products at affordable prices to meet the demand of both domestic and international customers.

# BILLET SHEARING MACHINE



## Specification of Billet Shearing Machines

Model (All Specification in mm)	RH-002	RH-003	RH-004	RH-005	RH-006
CAPACITY (Mild Steel)	50	75	100	125	150
CAPACITY (Alloy Steel)	41	61	81	112	127
MAIN GEAR	813	1067	1372	1549	1702
MAIN SHAFT	125	140	150	165	200
NO. OF PCS. PER MINUTE	30	25	16	12	8
WORKING HEIGHT	813	813	813	813	813
MOTOR REQUIRED (In HP)	10	20	25	40	50
R.P.M	1440	1440	1440	1440	1440
HEIGHT (In feet)	5'	6½'	8'	9½'	9½'
FLY WHEEL DIA	762	1270	1525	1575	1625

Specifications are subject to change without Prior notice for improvement and modifications of machines.

### SHEARING QUALITY...

Our Shearing machines ensure perfect cuts both for round/square billets in seconds. Our machines ensure precision and cleanliness of the shearing surface. "Rattan Forgings" technology allows a precise adjustment of blades angle, so as to cut alloy steel, mild steels, aluminum, brass etc. in a best possible way.

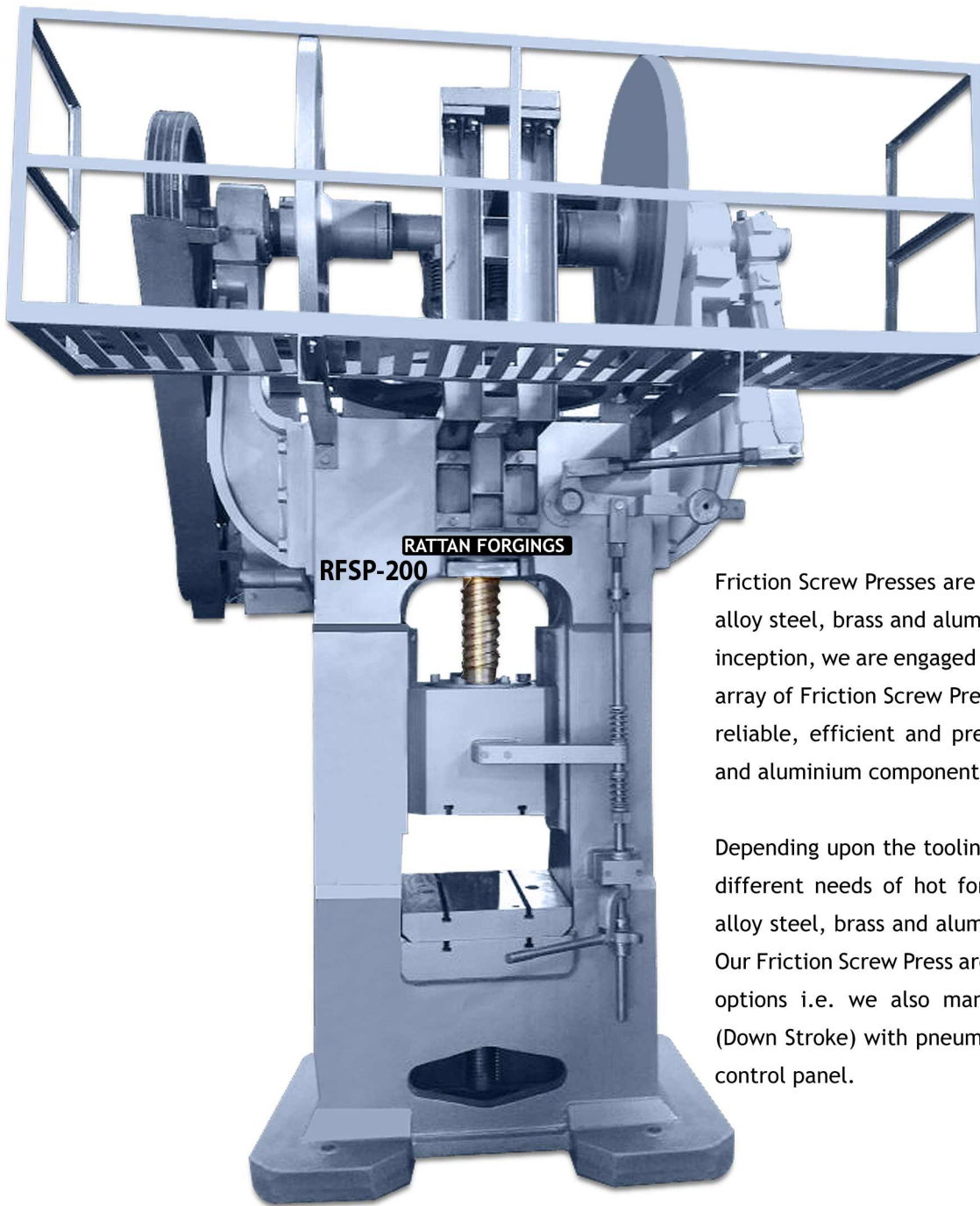
### MACHINE'S DESIGN...

The beauty of our shearing machines are to incorporate maximum possible facilities to their users without incurring exorbitant investment. The frames of our machines are of rigged construction and high quality materials are used for their manufacturing. Due to our excellent workmanship and finish of our machines bears pleasant outlook.

### GUARANTEE...

Our machines are guaranteed against any kinds of manufacturing defect for one year.

# FRICITION SCREW PRESS (DOWN STROKE)



Friction Screw Presses are used for hot forging of steel, MS alloy steel, brass and aluminium components. Since our inception, we are engaged in manufacturing a sophisticated array of Friction Screw Press, which are designed to be reliable, efficient and precise hot forging of steel, brass and aluminium components to our esteemed customers.

Depending upon the tooling employed on a press, it meets different needs of hot forging of non-ferrous, steel, MS, alloy steel, brass and aluminium components & stampings. Our Friction Screw Press are available in various customized options i.e. we also manufactures Friction Screw Press (Down Stroke) with pneumatic operating systems with PLC control panel.



## INDUSTRIES SERVED

Auto Parts

Cutlery

Tractor Parts

Sanitary Hardware

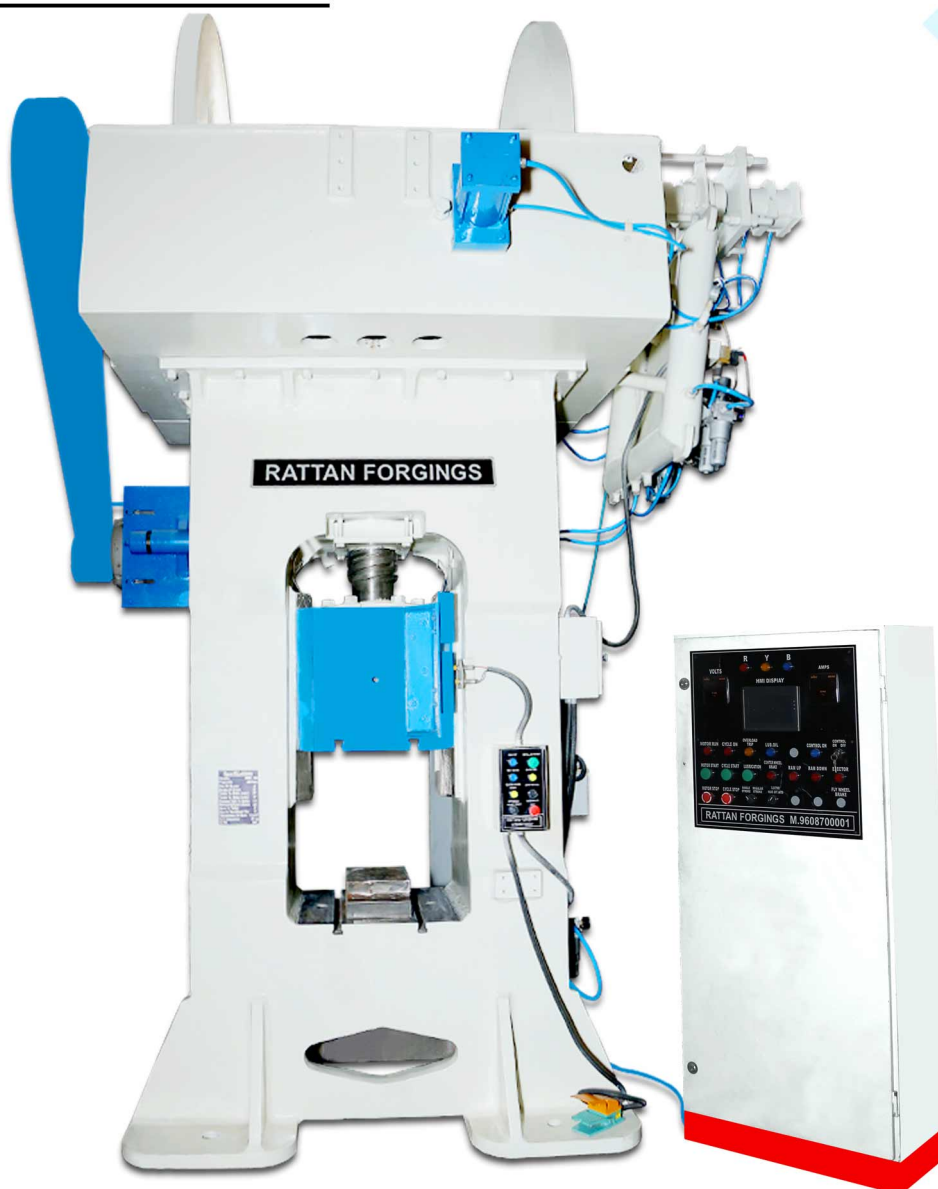
Railways

Defence

And Other sectors

# FRICION SCREW PRESS (DOWN STROKE)

## WITH PNEUMATIC OPERATING SYSTEM



### Specification of Friction Screw Press (Down Stroke)

Model (All Specification in mm)	RFSP-50	RFSP-100	RFSP-200	RFSP-300	RFSP-400	RFSP-500	RFSP-600	RFSP-800
CAPACITY IN TONS	50 tons	100 tons	200 tons	300 tons	400 tons	500 tons	600 tons	800 tons
DIA OF SCREW	102	127	165	203	254	279	305	330
STROKE OF PRESS	203	279	356	406	457	508	559	660
STROKES PER MINUTE	40	25	20	15	10	10	10	8
TABLE TO SLIDE (Max.)	356	457	559	635	711	813	889	966
TABLE TO SLIDE (Min.)	152	178	203	229	254	305	335	458
SIZE OF TABLE (FRONT)	406	508	584	660	737	889	914	965
SIZE OF TABLE (SIDE)	356	457	559	610	711	889	965	915
DISTANCE TABLE TO GUIDES	152	203	254	305	356	406	457	508
DISTANCE BETWEEN COLUMNS	406	508	584	660	762	813	864	965
DISTANCE BETWEEN GUIDES	305	356	432	483	559	610	660	762
BORE IN TABLE	76	102	127	152	152	152	178	152
BORE IN RAM (SHANK DIA)	38	51	64	76	76	102	102	125
DIMENSIONS OF RAM	305X305	356X356	432X432	483X483	533X559	610X610	660X660	762X762
THICKNESS OF BED PLATE	89	102	127	152	152	203	203	228
T SLOTS IN TABLE	16	16	18	25	25	32	25.4	32
T SLOTS IN RAM	16	16	16	18	25	25	25.4	32
MOTOR REQUIRED (In HP)	7.5	10	20	30	40	50	60	100
R.P.M	960	960	960	960	960	960	960	960
HEIGHT (In Feet)	9' - 4"	10' - 4"	12' - 4"	14' - 6"	15' - 6"	17'	19'	21'

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## FORGING PRESS (UP STROKE)

Forging Presses are an answer for the forging of round, square and hexagonal headed bolts as well as for nuts, rivets, motor parts, bicycle parts & varieties of such other items. These presses are very simple in operation and their stroke can be achieved by pressing a lever provided on the front of left column of the Forging Press and we also manufactures Forging Press (Up Stroke) with pneumatic operating systems with PLC control panel.

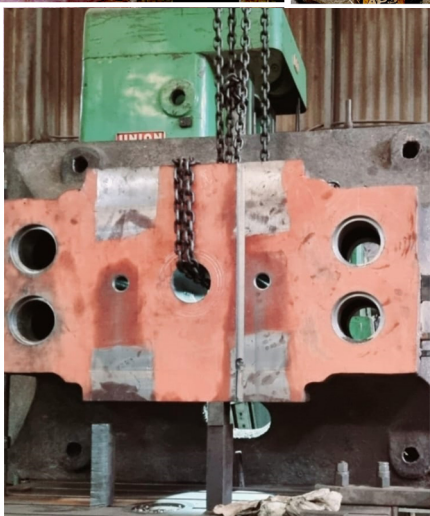
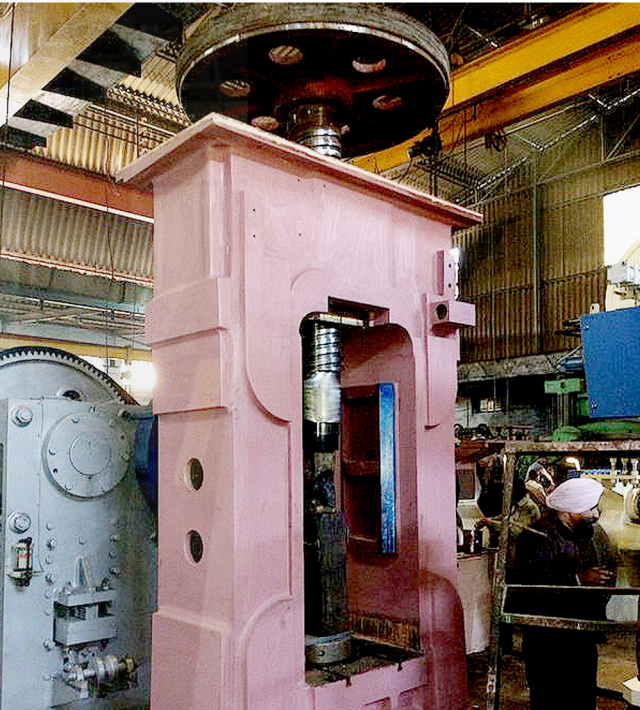


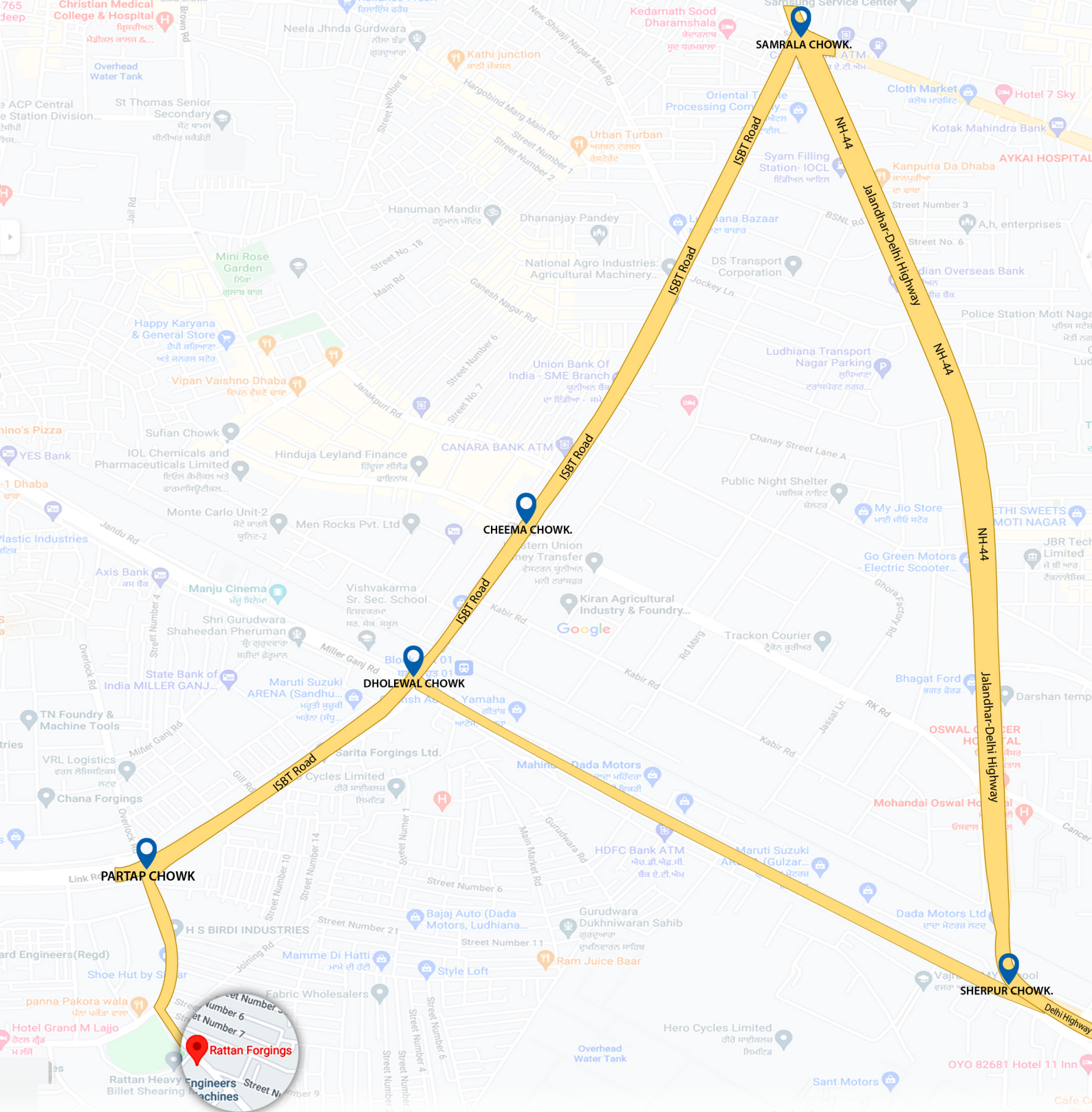
### Specification of Forging Presses (Up Stroke)

Model (All Specification in mm)	No. 3	No. 2	No. 1	No. 0	No. 00	No. 000	No. VIII0
CAPACITY IN TONS	50 tons	100 tons	150 tons	250 tons	350 tons	500 tons	800 tons
DIA OF SCREW	76	102	127	152	178	203	254
STROKE OF PRESS	381	406	508	660	813	965	1168
MAX. LENGTH OF JOB	203	305	406	508	660	762	990
MAX. DIA OF JOB	13	19	32	51	64	85	100
STROKES PER MINUTE	50	40	30	25	20	15	10
FOUNDATION HOLES	610x406 24"x16"	787x483 31"x19"	635x991 25"x39"	1041x762 41"x30"	1092x813 43"x32"	1016x1219 40"x48"	1168x1321 46"x52"
MOTOR REQUIRED (In HP)	5	7.5	10	20	30	40	55
R.P.M.	1440	1440	1440	1440	1440	1440	1440
HEIGHT (In feet)	7' - 6"	8' - 6"	10' - 6"	11' - 6"	13' - 6"	15' - 6"	18'.6"

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# INFRASTRUCTURE





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# RATTAN FORGINGS

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