

47/50MN Ton Open Die Forging Press

Four Column Push Down Open Die Forging Press with 80 Ton Rail Bound Manipulator

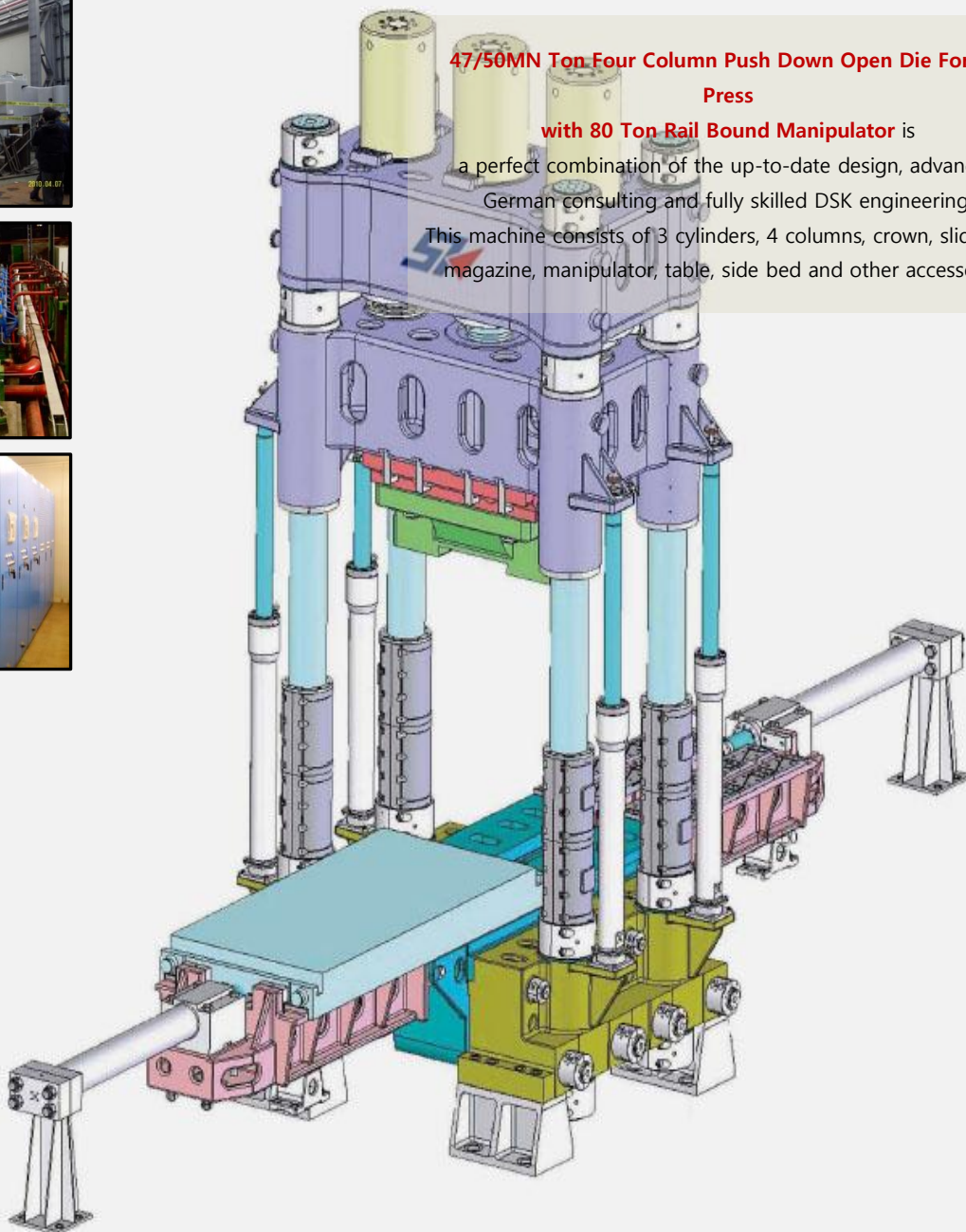


47/50MN Ton Four Column Push Down Open Die Forging Press

with 80 Ton Rail Bound Manipulator is

a perfect combination of the up-to-date design, advanced German consulting and fully skilled DSK engineering.

This machine consists of 3 cylinders, 4 columns, crown, slide, bed, magazine, manipulator, table, side bed and other accessories,



cbi
industrial asset management

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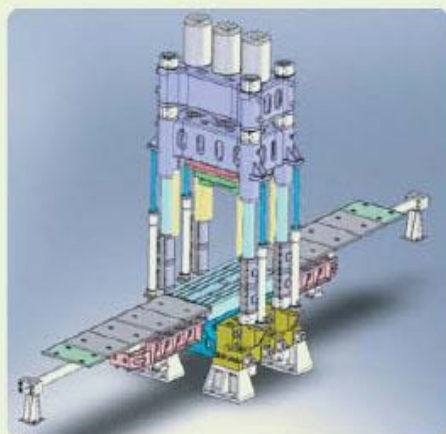
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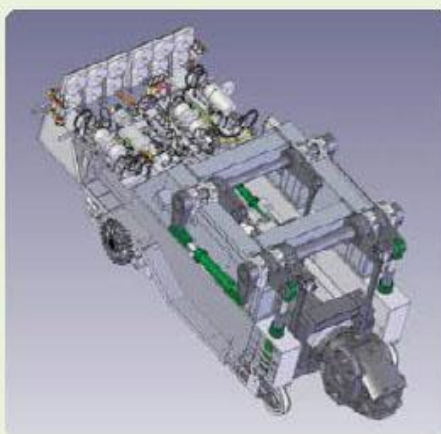
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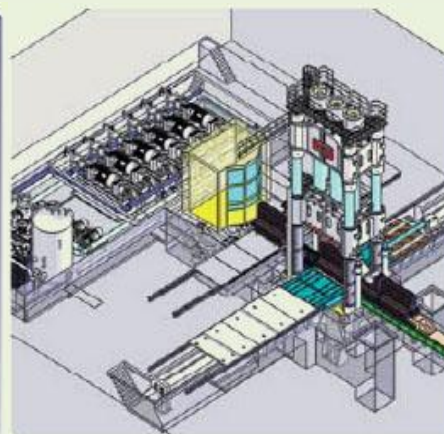
OVERALL DRAWINGS



Main Body of Press



Manipulator



Entire equipment

MAJOR SPECIFICATION

Open Die Forging Press				Manipulator	
Press force (400 bar)	47 MN			Carrying capacity, nominal	800 kN
Upset force (425 bar)	50 MN			Tongs clamping moment	2,000 kNm
Maximum press stroke	2,500 mm			Tongs openings, without inserts, round	800/2,000 mm round
Specification x Quantity of main cylinder	Φ 710 dia x 3 sets			- with inserts	200~800 mm round
Press daylight	5,000 mm			- with extension arms	100~2,800 mm round
Press force stage, at 425 bar				Max. turning diameter with extension arms	3,900 mm
- 1 stage (one-central cylinder)	16.7 MN			Vertical tilting angle of tong	up 15° (down to floor)
- 2 stage (two-side cylinders)	33.4 MN			Horizontal movements of tong in forging direction, relative to carriage	± 400 mm
- 3 stage (three-all cylinders)	50 MN			Speed, times	
Distance between columns (clear width)	4,000 mm x 1,800 mm			- forging	0-30 m/min
Table shifting device stroke (Left, Right)	3,000 mm x 3,000 mm			- traveling	0-50 m/min
Die Magazine	4-die magazine			- turning of tong	0~8 rpm
Number of press strokes				- lifting and lowering of tong	90 mm/sec
Force Stage	Penetration	Return stroke	Stroke per minute	- tilting of tong	90 mm/sec
3 cylinders	150 mm	300 mm	10/12	- side shifting of tong	80 mm/sec
3 cylinders	100 mm	200 mm	15/17	Accuracy	
2 cylinders	50 mm	100 mm	25/30	- traveling	± 3 mm
1 cylinder	5 mm	20 mm	80/85	- turning	± 1°
Weight of press (Die magazine / die shift)	Approx. 900 tons			Total delivery of the main pumps	Approx. 1,450 l/min
Overall dimension of press				Total capacity of accumulator	600 liter
- Total height	14,370 mm			Usable capacity of accumulator	200 liter
- Press height above floor level	10,870 mm			Travel distance	25 m
- Depth	3,500 mm				