



CE

PASCAL[®] **DIE-CHANGE** **SYSTEM** *FOR* *PRESS* *MACHINE*

Pascal
corporation

www.pascaleng.co.jp

Application AP-001E REV.3 2003.05

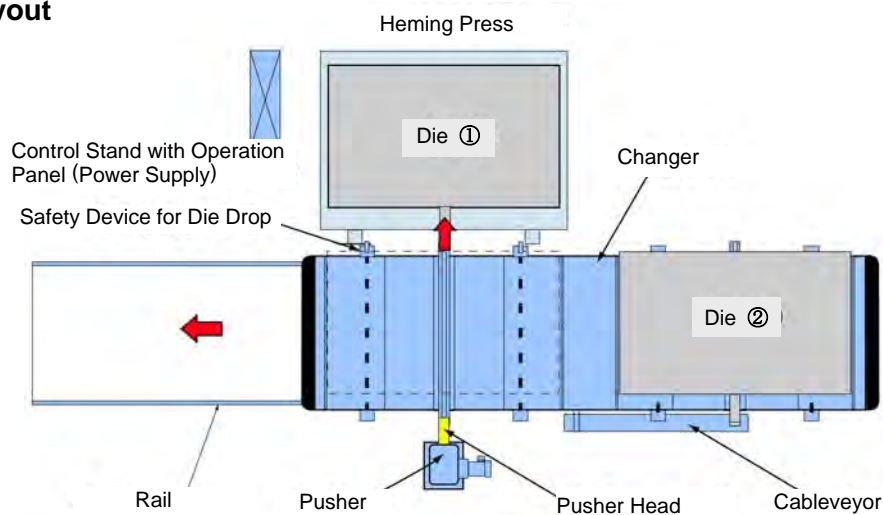
DIE CHANGE SYSTEM

■ Specifications

Type of Press Machine	Heming Press
Max.Weight of Die	68.6 kN (7.7 US ton) x 2 dies
Max. Size of Die (width x depth)	Die ① 2350 x 1650 mm (93" x 65") Die ② 2350 x 1440 mm (93" x 57")
Traveling Distance of Changer	3 m (9.8')



■ System Layout



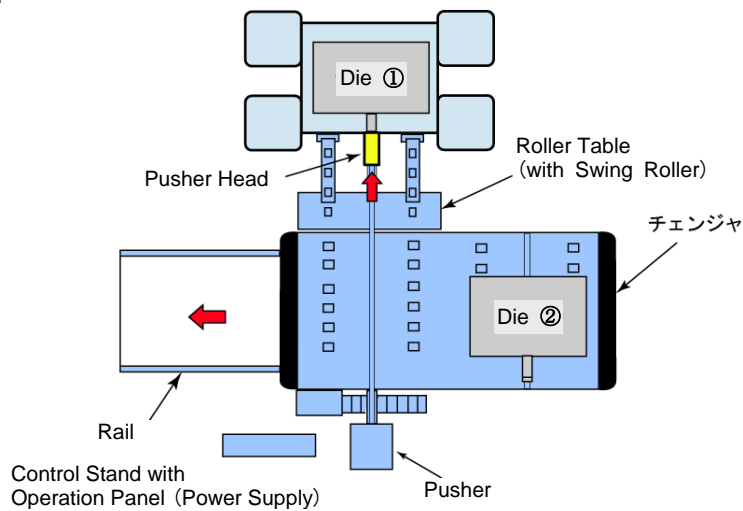
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	5880 kN (660 US ton)
Max.Weight of Die	78.5 kN (8.8 US ton) x 2 dies
Max. Size of Die (width x depth)	2,450 x 1,250 mm (96" x 49")
Traveling Distance of Changer	2650 mm (8.7')



■ System Layout



DIE CHANGE SYSTEM

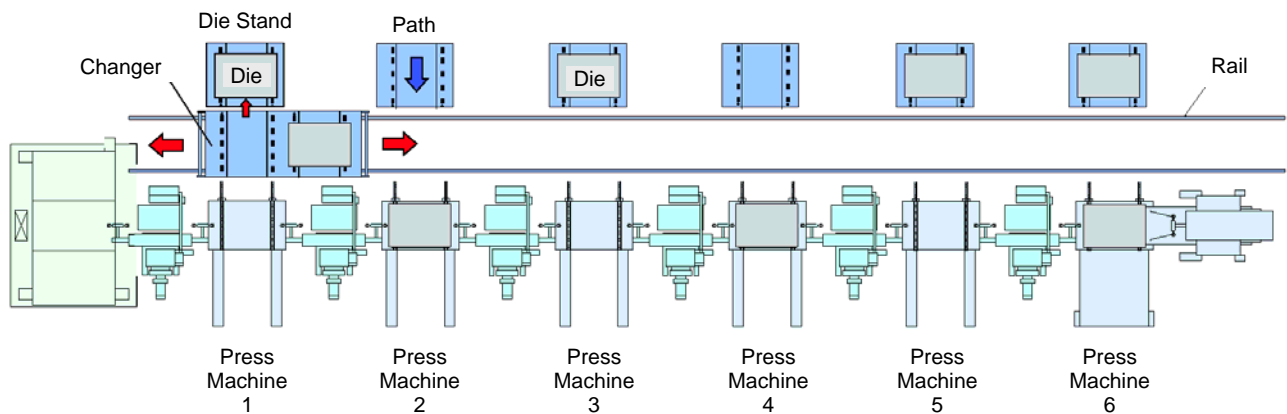
■ Operation is all manual.

■ **Specifications**

Capacity of Press Machine	1470 kN (160 US ton)
Max.Weight of Die	17.6 kN (2.0 US ton) x 2 dies
Max. Size of Die (width x depth)	1000~1350 x 750 mm (39" ~ 53" x 30")
Traveling Distance of Changer	12.85 m (42')



■ **System Layout**



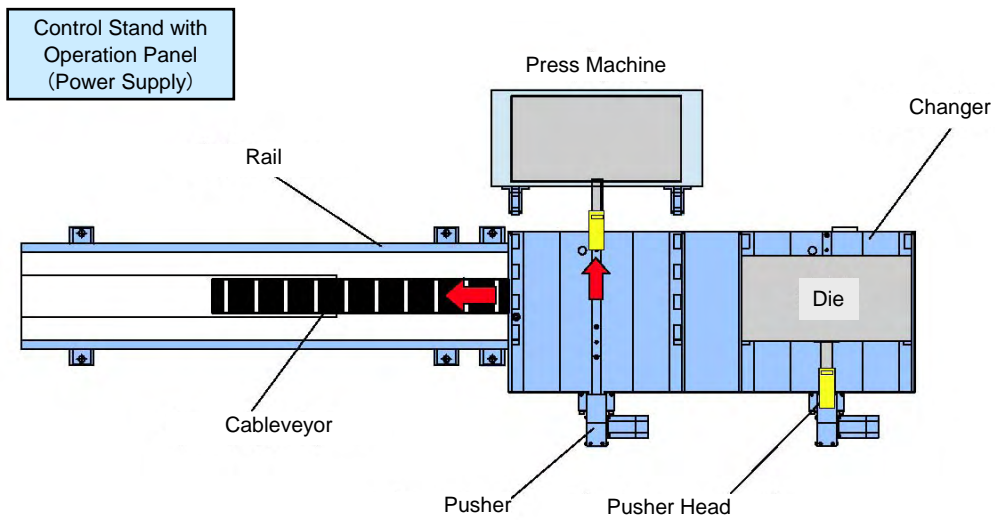
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	588 kN (66 US ton)
Max.Weight of Die	1960 N (220 lbs) x 2 dies
Max. Size of Die (width x depth)	700 mm x 350 mm (28" x 14")
Traveling Distance of Changer	2 m (pitch 950 mm) , 6.6' (pitch 3.1')



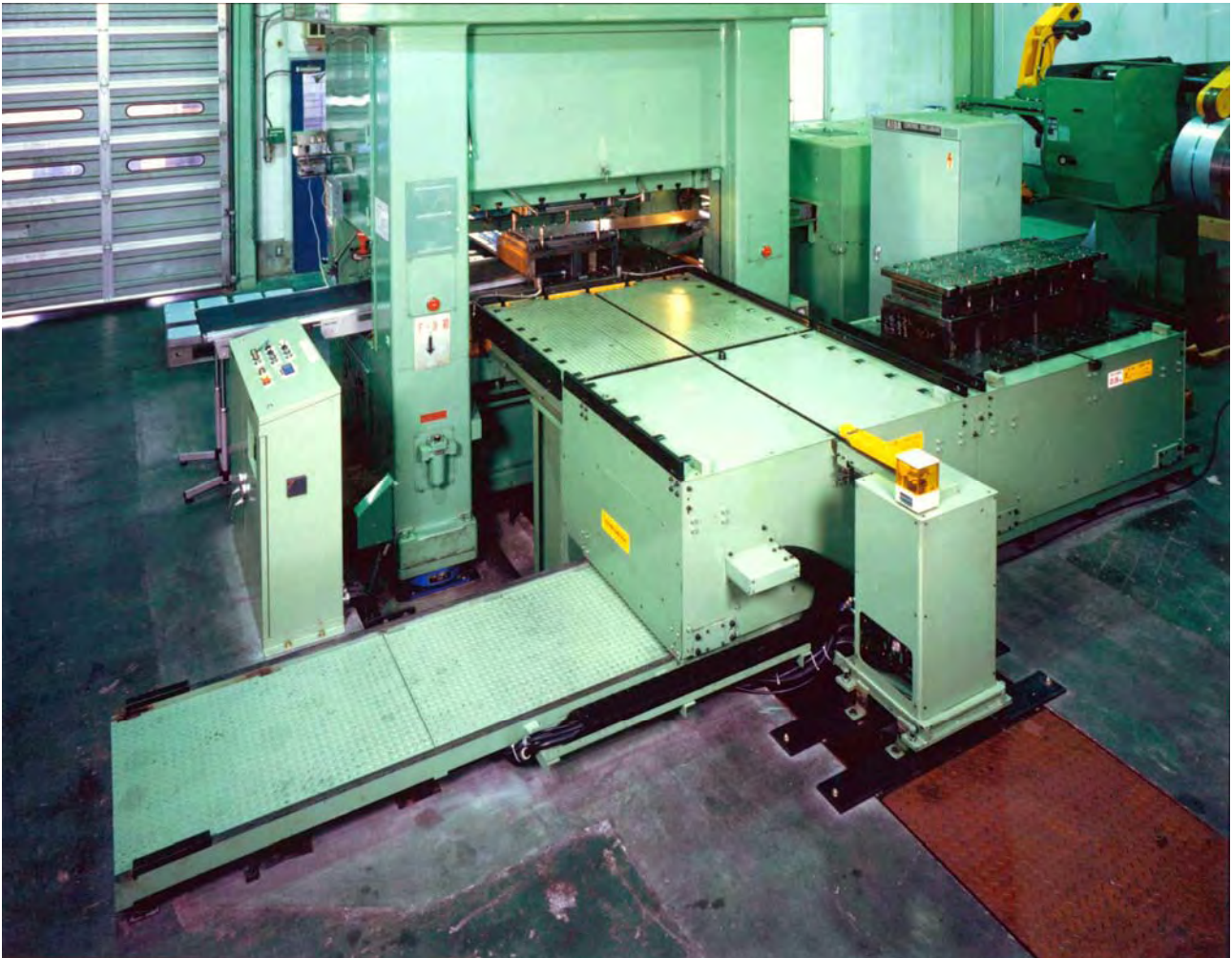
■ System Layout



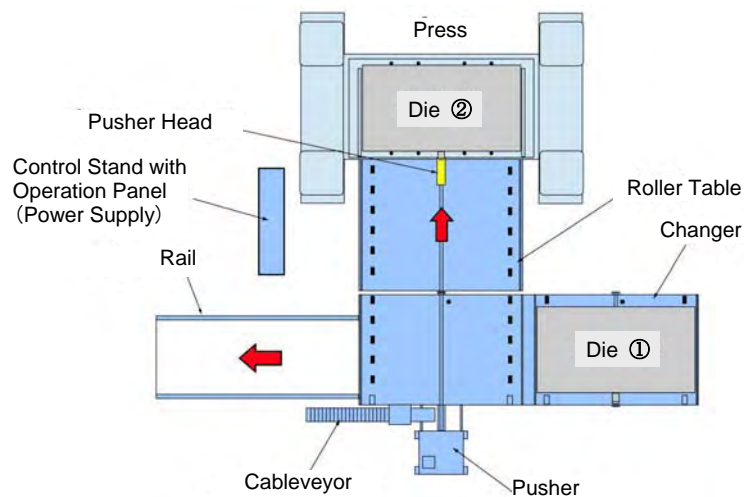
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	2940 kN (330 US ton)
Max.Weight of Die	24.5 kN (2.8 US ton) x 2 dies
Max. Size of Die (width x depth)	1,600 x 870 mm (63" x 34")
Traveling Distance of Changer	1750 mm (5.7')



■ System Layout



DIE CHANGE SYSTEM

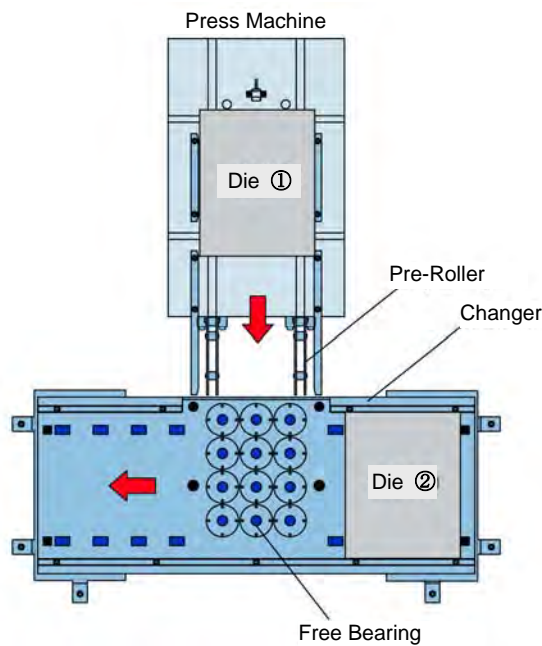
■ Dies are manual loading.

■ **Specifications**

Capacity of Press Machine	785 kN (88 US ton)
Max.Weight of Die	4.9 kN (0.55 US ton) x 2 dies
Max. Size of Die (width x depth)	390 x 500 mm (15" x 20")
Traveling Distance of Changer	1050 mm (3.4')



■ **System Layout**



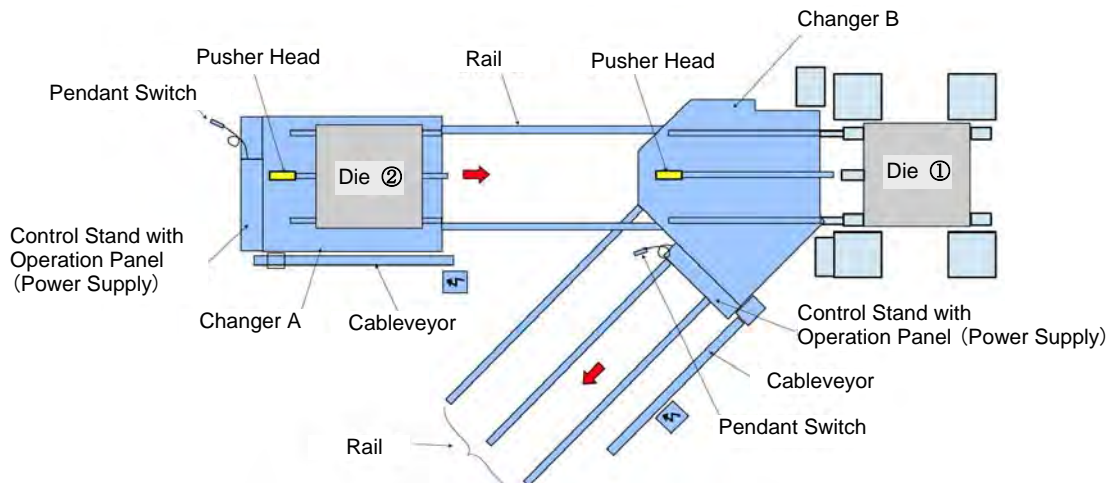
DIE CHANGE SYSTEM

■ Specifications

Capacity of Forging Press Machine	44000 kN (4960 US ton)
Weight of Die Holder	245 kN (27.6 US ton) x 1 die
Size of Die Holder	1,600 x 2,210 mm (63" x 87")
Traveling Distance of Changer	Changer A 5750 mm (19'), Changer B 4000 mm (13')



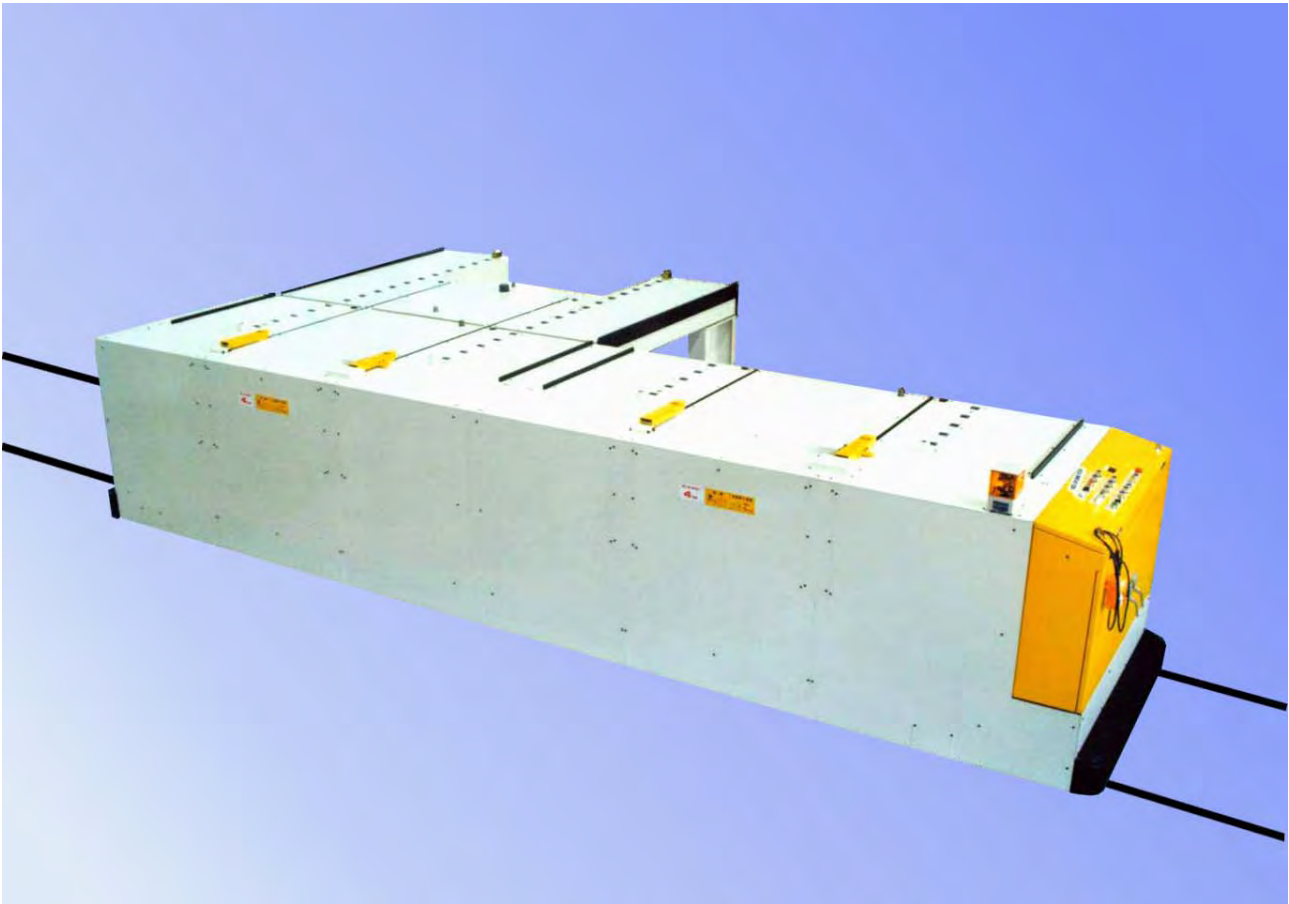
■ System Layout



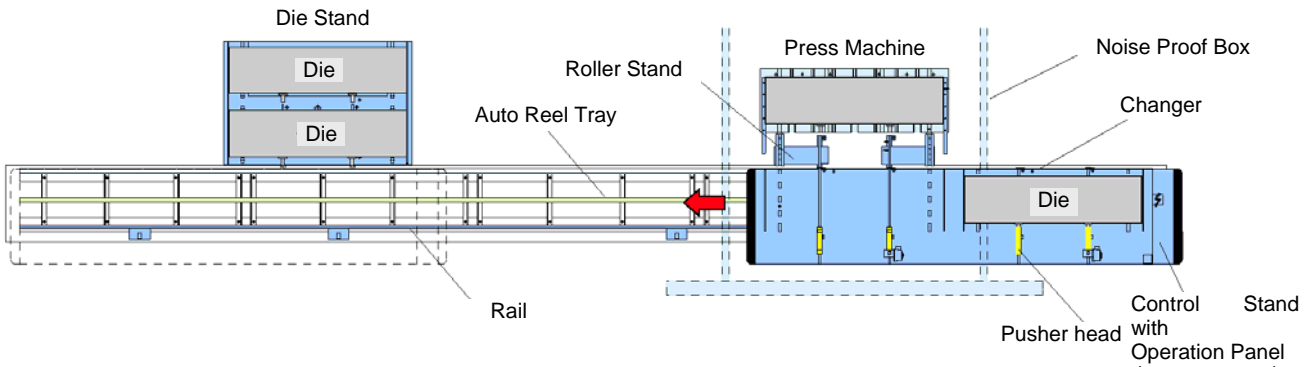
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	2450 kN (270 US ton)
Max.Weight of Die	35.3 kN (4.0 US ton) x 2 dies
Max. Size of Die (width x depth)	2550 x 650 mm (100" x 26")
Traveling Distance of Changer	10.3 m (pitch 2850 mm) , 34' (9.4')



■ System Layout



DIE CHANGE SYSTEM

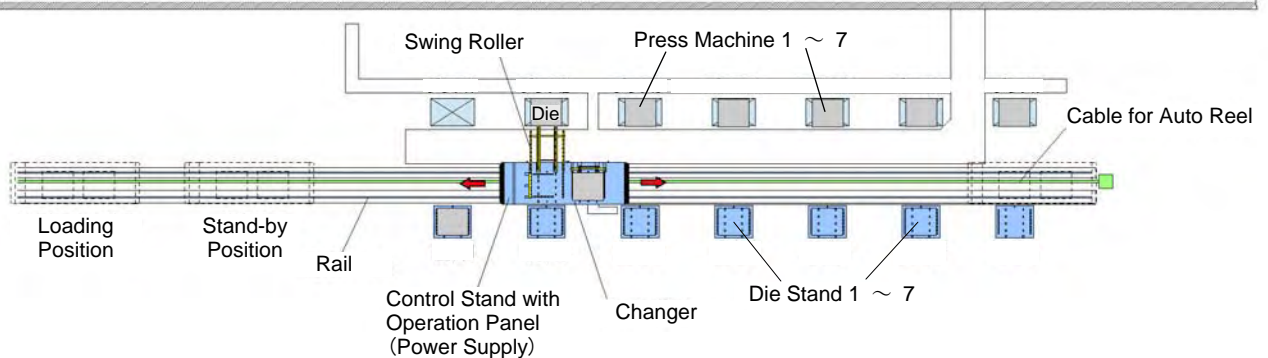
■ Dies are manual loading.

■ **Specifications**

Capacity of Press Machine	1470 kN (160 US ton)
Max.Weight of Die	11.7 kN (1.3 US ton) x 2 dies
Max. Size of Die (width x depth)	900 x 800 mm (35" x 31")
Traveling Distance of Changer	28 m (92')



■ **System Layout**



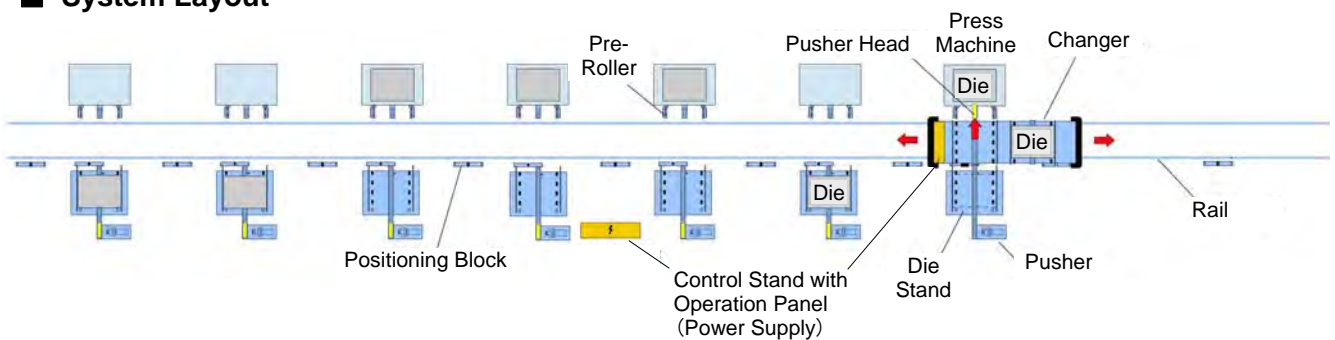
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	1470, 1960 kN (160, 220 US ton)
Max.Weight of Die	19.6 kN (2.2 US ton) x 2 dies
Max. Size of Die (width x depth)	890 x 660 mm (35" x 26")
Traveling Distance of Changer	24.6 m (81')



■ System Layout



DIE CHANGE SYSTEM

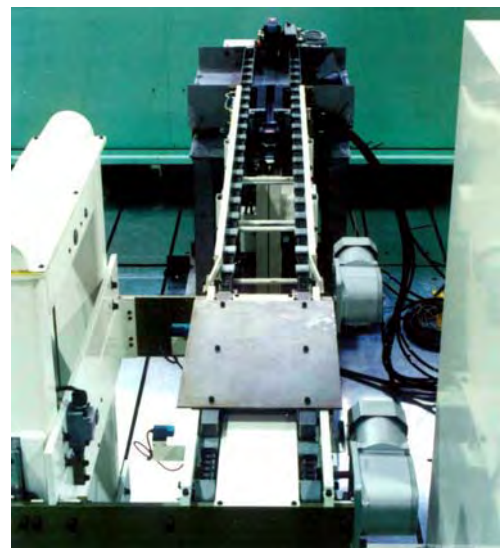
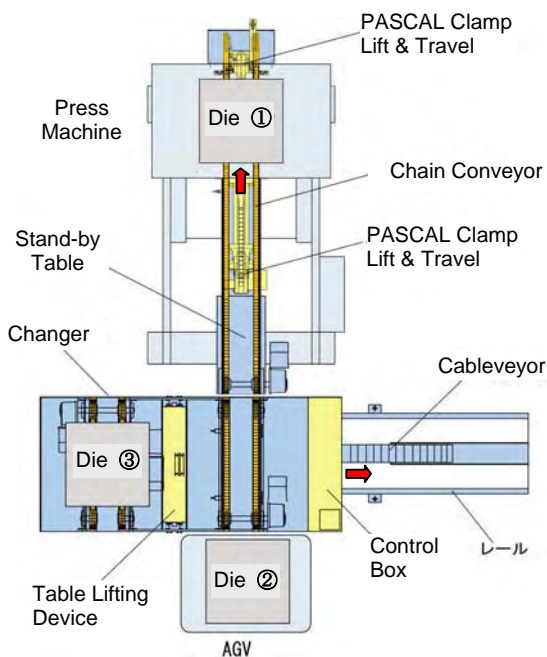
- Die loading/unloading can be done by motor-powered chain conveyor.
To be used along with AGV (Automatic Guided Vehicle). Table lifting device accommodates height differences between Press Machine and AGV.

■ **Specifications**

Capacity of Press Machine	785, 1078 kN (88, 120 US ton)
Max.Weight of Die	2450 N (550 lbs) x 2 dies
Max. Size of Die (width x depth)	500 x 500 mm (20" x 20")
Traveling Distance of Changer	Pitch 800 mm (2.6')



■ **System Layout**



Stand-by table viewed from changer side

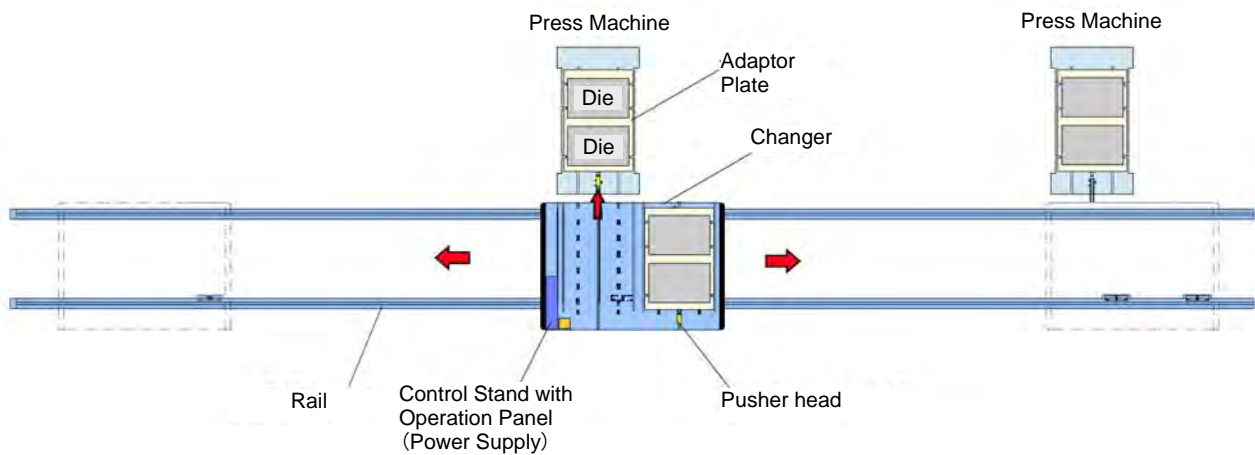
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	5880 kN (660 US TON)
Max.Weight of Die	104 kN (11.8 US ton) x 2 dies
Max. Size of Die (width x depth)	1,700 x 2,500 mm (67" x 98")
Traveling Distance of Changer	24.4 m (pitch 2 m) , 80' (pitch 6.6')



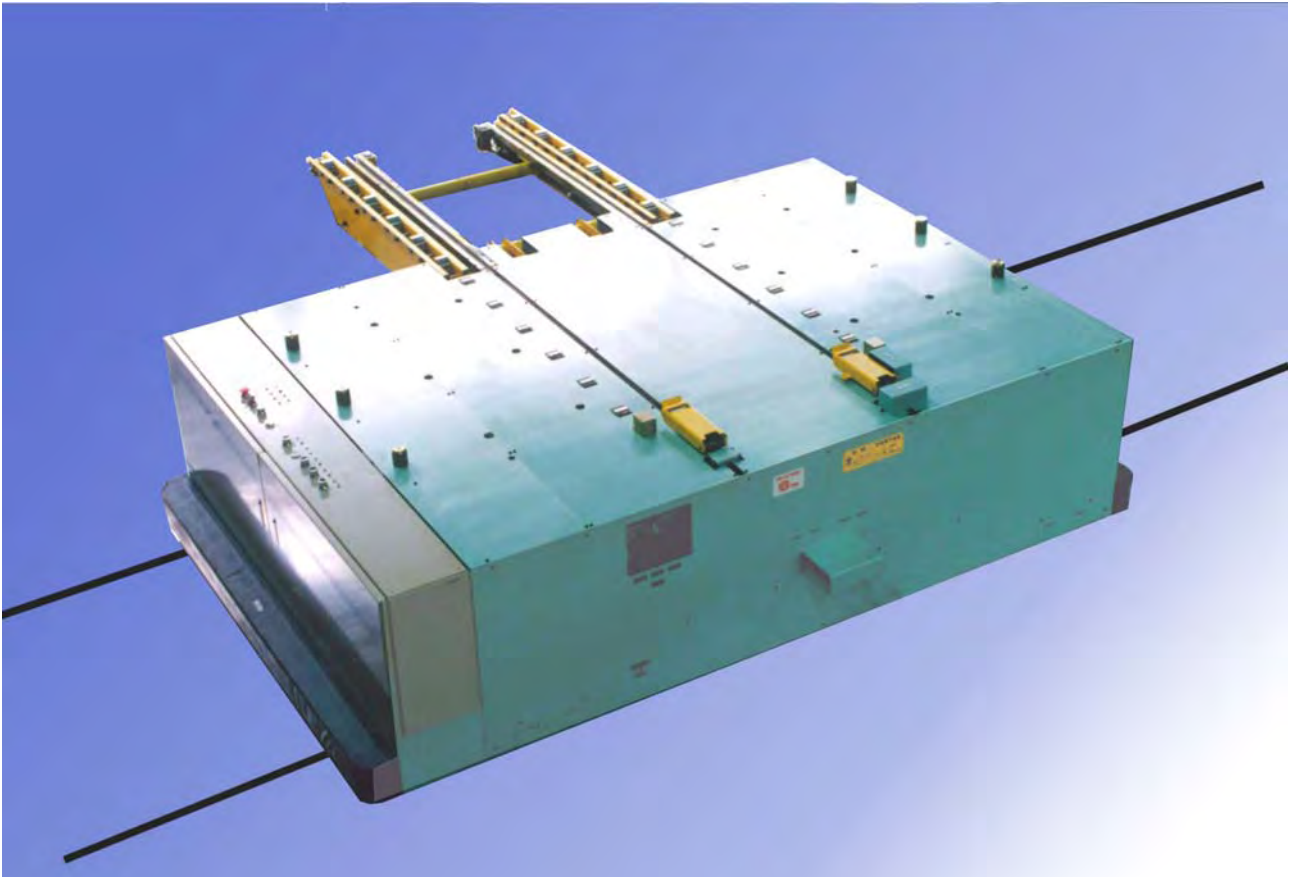
■ System Layout



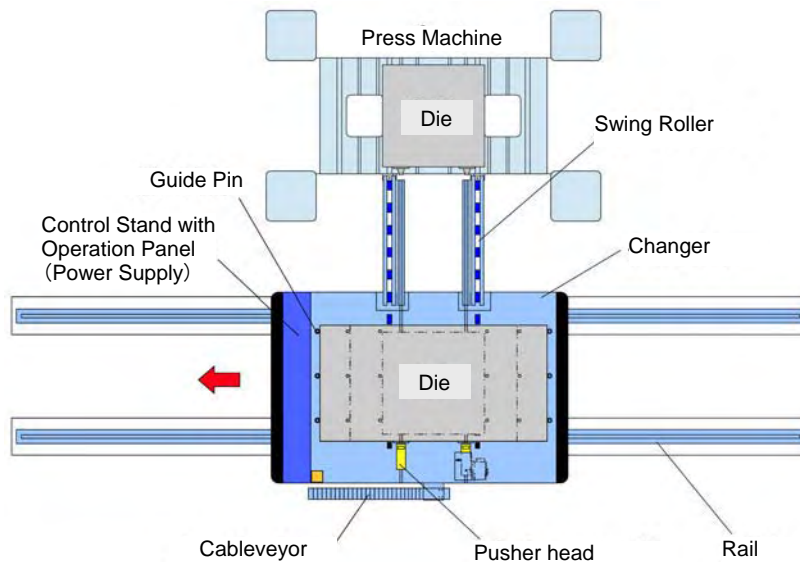
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	4900 kN (550 US ton)
Max.Weight of Die	58 kN (6.6 US ton) x 1 dies
Max. Size of Die (width x depth)	① 2,450 x 1,250 mm (96" x 49") ② 1,800 x 1,250 mm (71" x 49") ③ 1,100 x 1,100 mm (43" x 43")
Traveling Distance of Changer	26.5 m (87')



■ System Layout

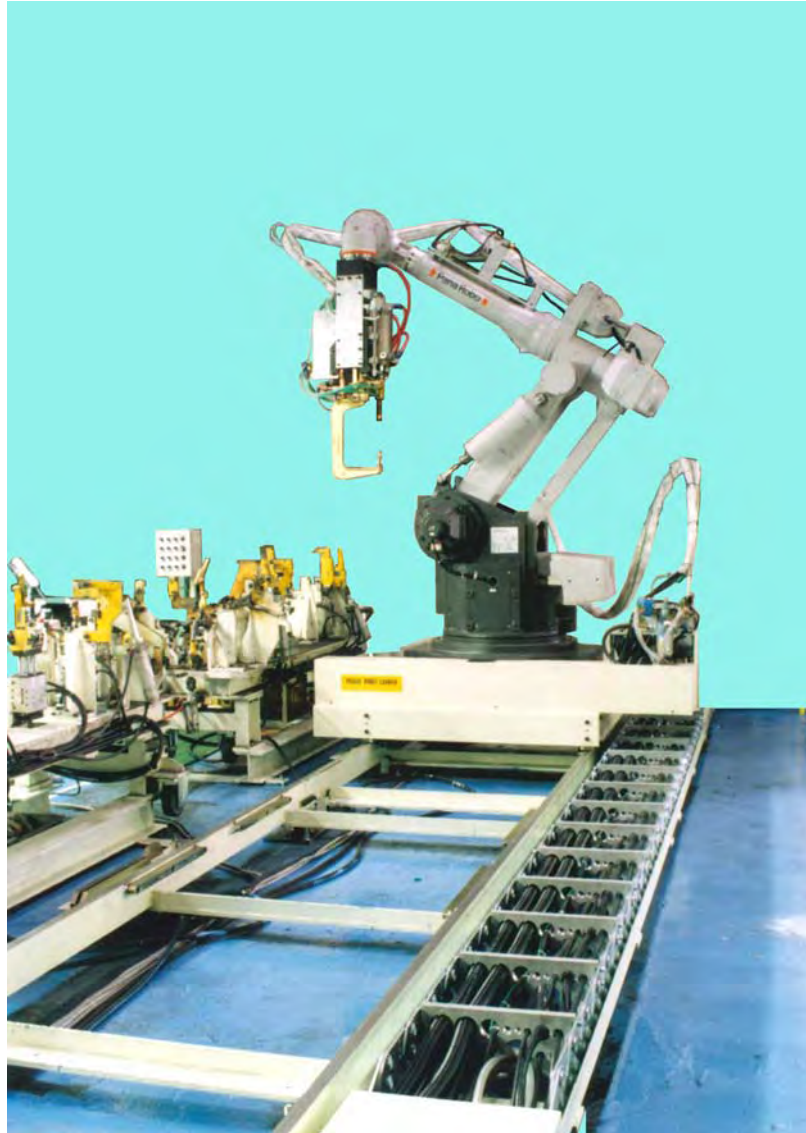


DIE CHANGE SYSTEM

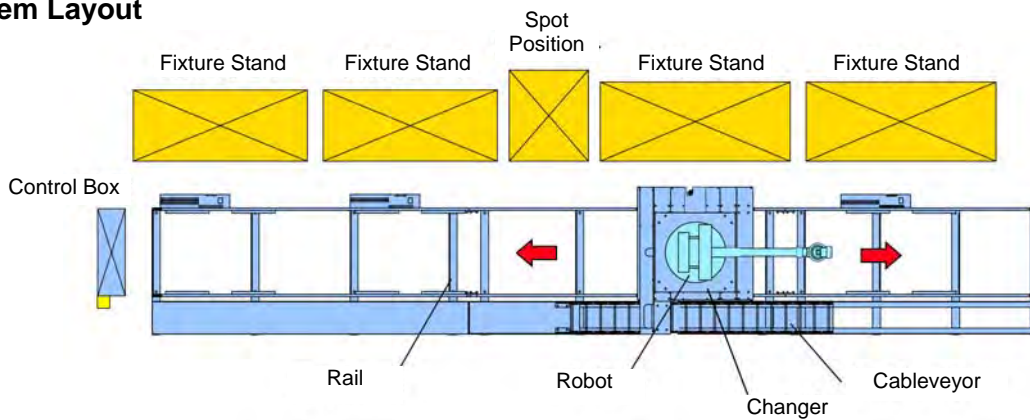
■ Particularly developed for the travel of welding robot.

■ **Specifications**

Max. Weight of Robot	17.6 kN (2.0 US ton including weld gun x 1 unit)
Dimension of Installation Point to Changer	1,000 x 1,000 mm (39" x 39")
Traveling Distance of Changer	8.6 m (28')



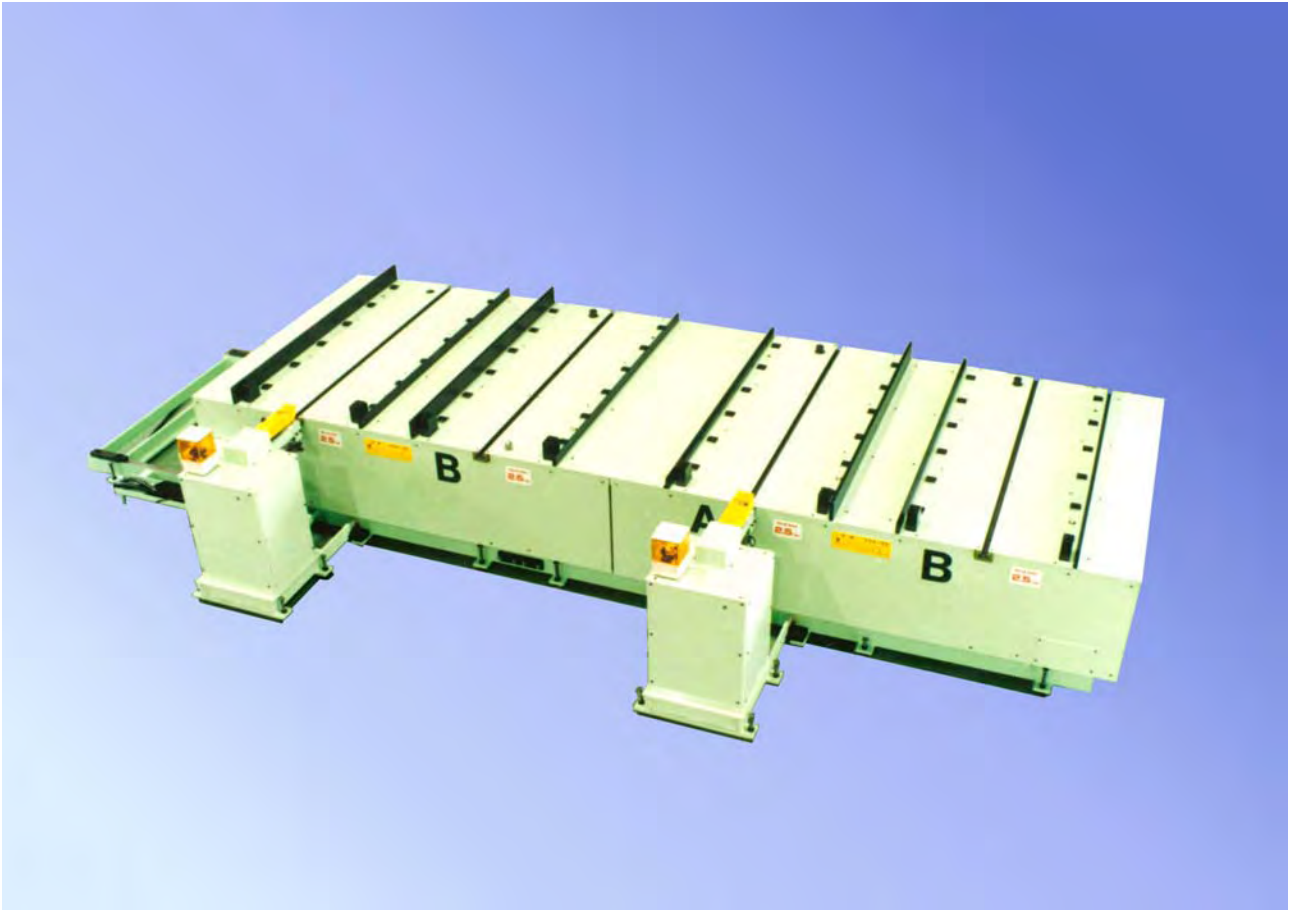
■ **System Layout**



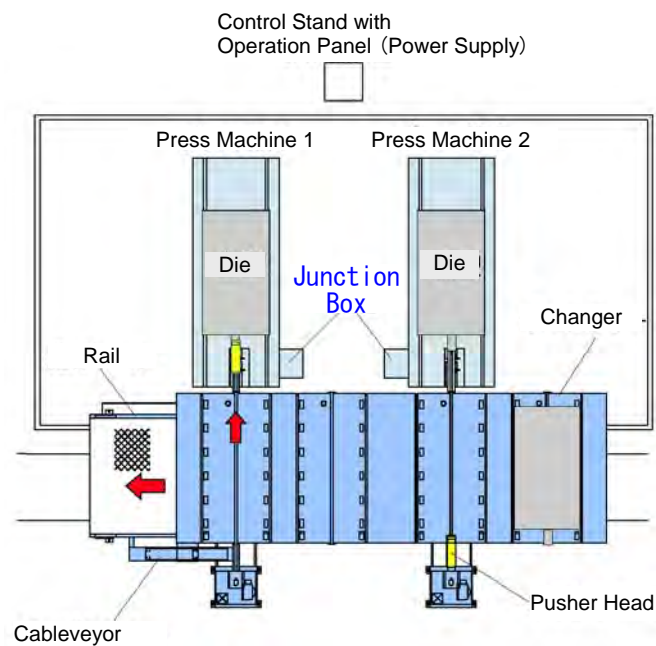
DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	1960 kN (220 US ton)
Max.Weight of Die	24.5 kN (2.8 US ton) x 4 dies
Max. Size of Die (width x depth)	700 x 1300 mm (28" x 51")
Traveling Distance of Changer	Pitch 1000 mm (3.31')



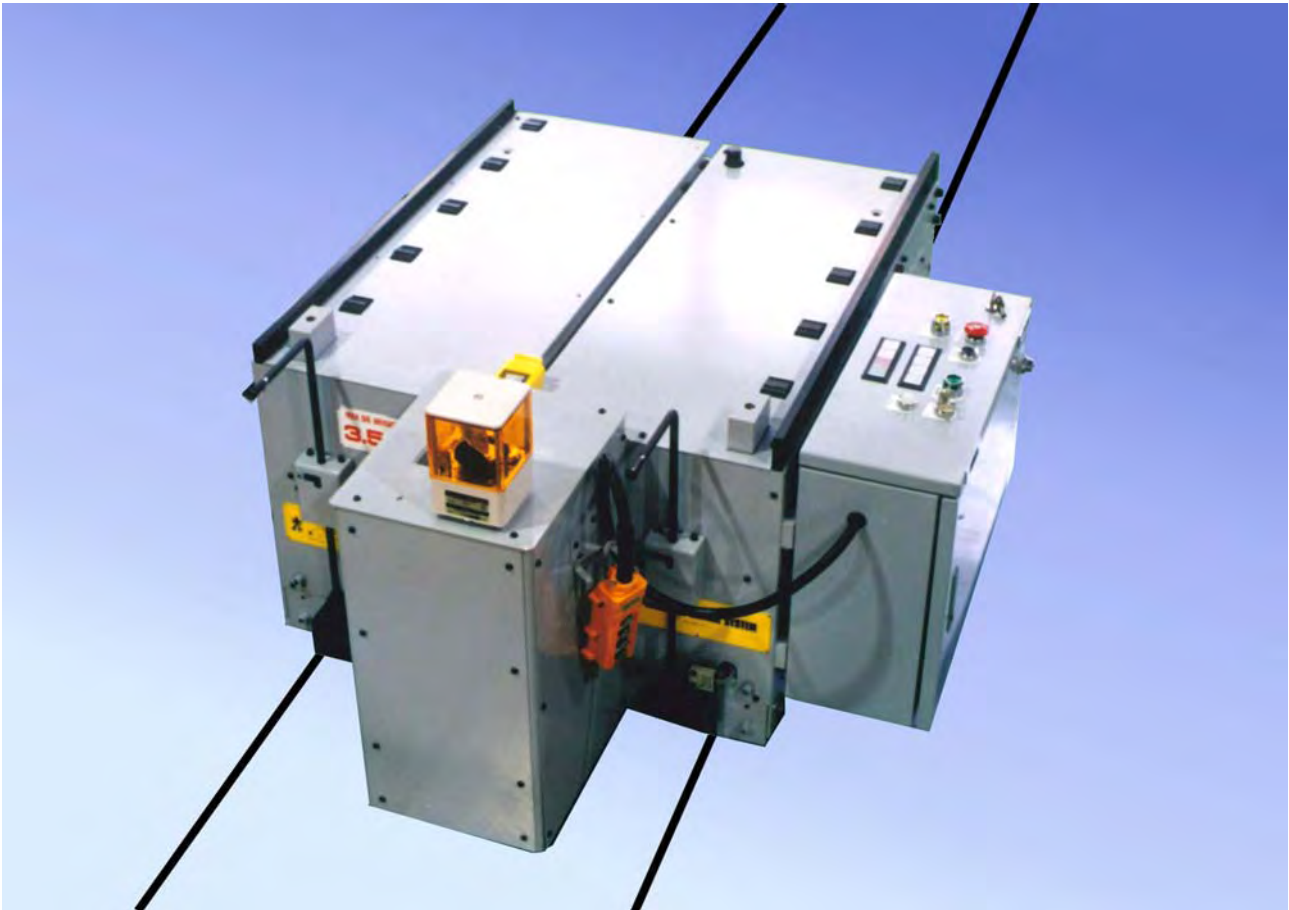
■ System Layout



DIE CHANGE SYSTEM

■ Specifications

Capacity of Press Machine	6180 kN (690 US ton)
Max.Weight of Die	34 kN (3.8 US ton) x 1 die
Max. Size of Die (width x depth)	886 mm x 850 mm (35" x 33")
Traveling Distance of Changer	3.1 m (10')



■ System Layout

