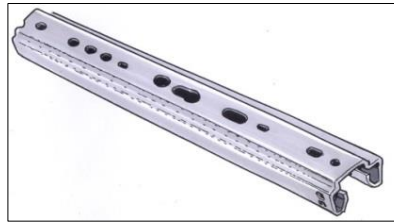


SEAT RAIL PROFILE PRESS AUTOMATION

Case Study-2



The Problem



Customer's problem-

- Manpower (9 nos)
- Productivity (5 SPM)

Solution



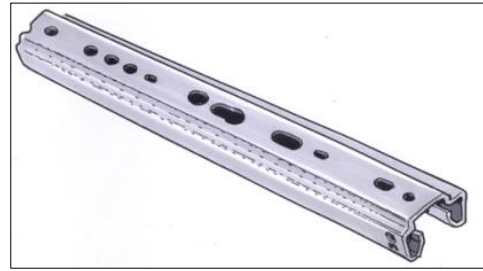
Converted 8 presses into a single transfer line with 24 servo.

Benefits



- Manpower reduces to 1 nos.
- Productivity increase upto 20 SPM.

Component Description



Layout of Seat Profile Press Automation :



Brief Description of Seat Profile Press Automation :

Number of Press = 08 Nos

Number of Operator Required/ Shift : 9 Nos.

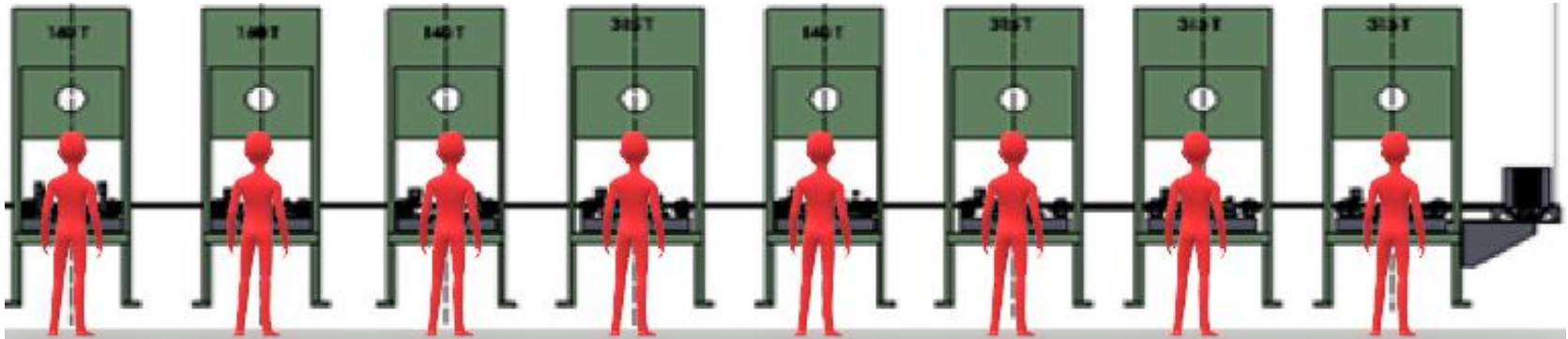


Figure: 1 Operation Sequence (Before Automation)

* Incorporate Press Line Automation



- One Operator is Required For Loading /Unloading
- Higher Production Rate.
- Productivity is Increased.

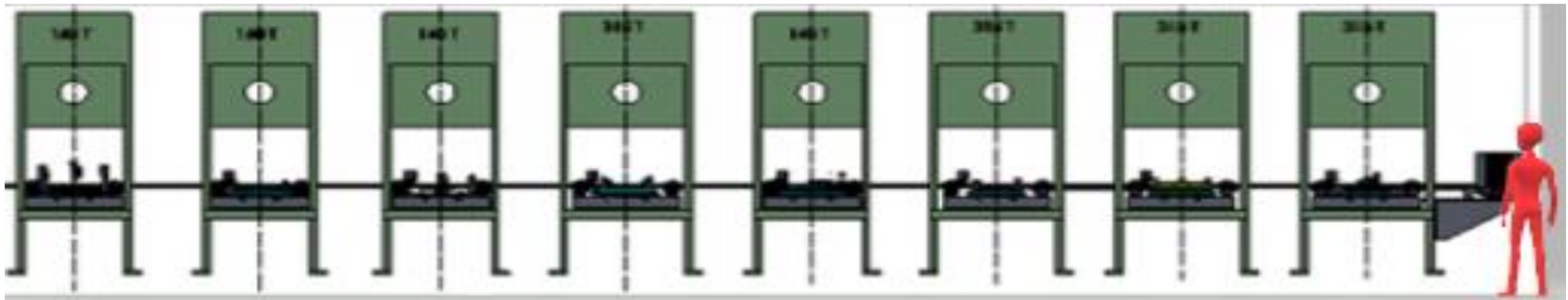


Figure: 2 Operation Sequence (After Automation)

SAVINGS and BENEFITS :



Description	UOM	Parameters
Number of Shift (8 Hrs) / Day	Numbers	2
Man power Saving / Day	Numbers	16
Manpower Rate / Day	Rupees	577
Saving/Day	Rupees	9232
Workings Days/Year	Days	302
Saving Per Year	Rupees	2788064

Output / Day@ 5 SPM (Manually)- 3825 nos

Output / Day@ 20 SPM (With Automation) -15300 nos