

AUTOLOADING PIPE CUTTING SPM

Case Study-5



The Problem



Customer's problem-

- Low productivity
- Quality concern due to misfeeding of component
- High manpower cost

Solution



Solution provided with a Single 3 Station auto loading SPM

Benefits

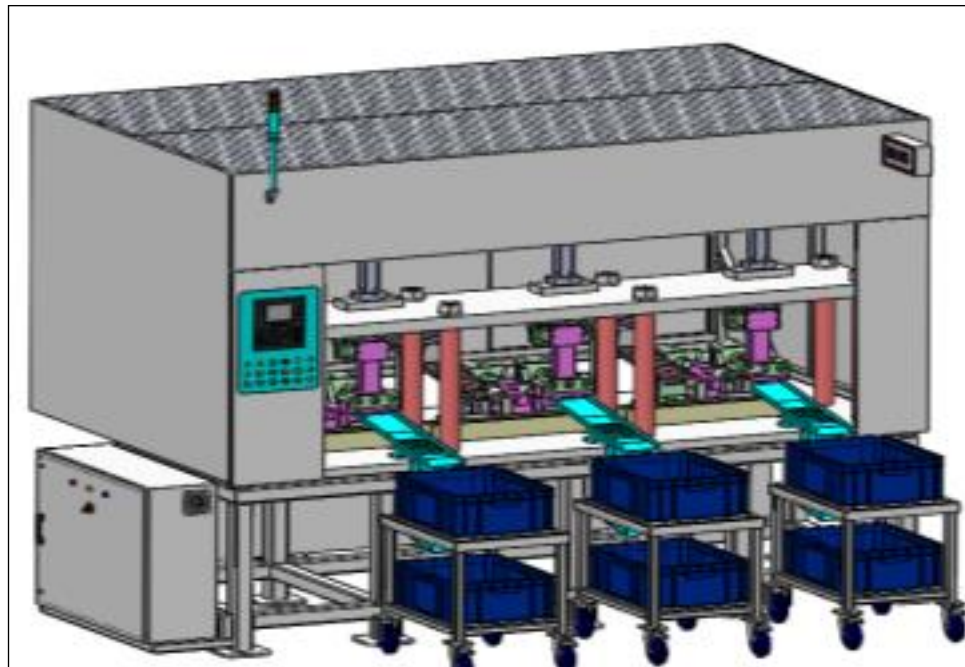


- Individual 3 machine converted into single machine.
- High productivity
- Only 1 manpower required

System Description :

- Earlier customer were using 3 separate machine for each parts, which required 3 manpower and space.
- We converted the operation of 3 parts in a single machine with 3 stations along with auto / loading concept.
- Operator has to load the part in all hoppers only. After that each station is having pick and place mechanism to pick the part from loading point and place into the die where cutting is done. After that the finish part moves to upper finish part bin and scrap goes to lower scrap bin

Machine Layout :



SAVINGS and BENEFITS :



Description	UOM	Parameters
Number of Shift / Day	Numbers	2
Saving Man /Day	Numbers	4
Manpower Rate/Day	Rupees	577
Saving/Day	Rupees	2308
Workings Days/Year	Days	302
Saving Per Year	Rupees	697016

Benefits of Auto machine Solution as compared to Previous machine:

Low investment	Investment Reduces by 40%
High Productivity	Productivity increased upto 200%
Less space utilization	Space requirement reduces upto 50%
Low utility cost	Utilities cost also reduces upto 10%