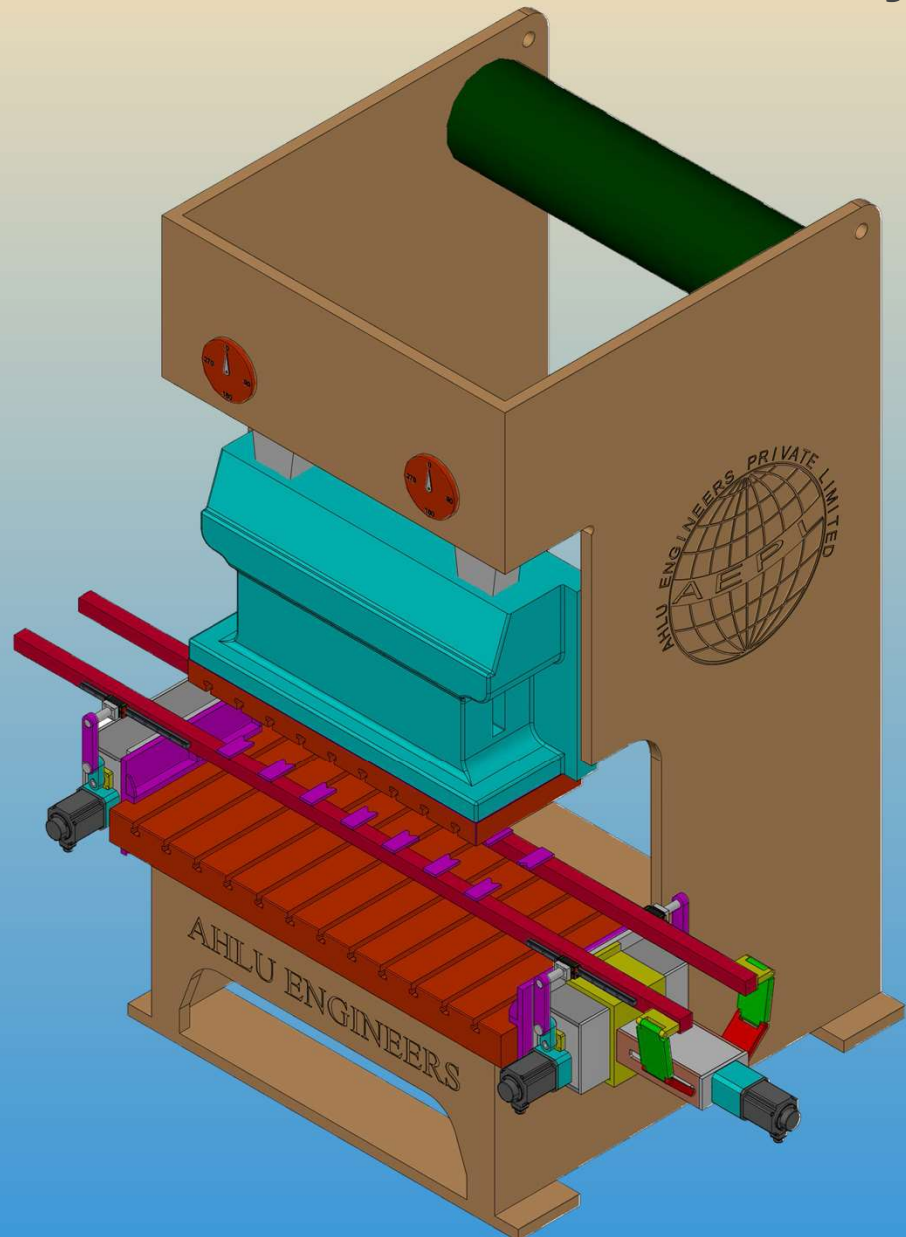


**AHLU
ENGINEERS
PRIVATE LIMITED**
www.ahluengineers.com

AST3All Series

Ahlu Servo Transfer 3 Axis Double Bar type



Manufacturer :

AHLU ENGINEERS PRIVATE LIMITED

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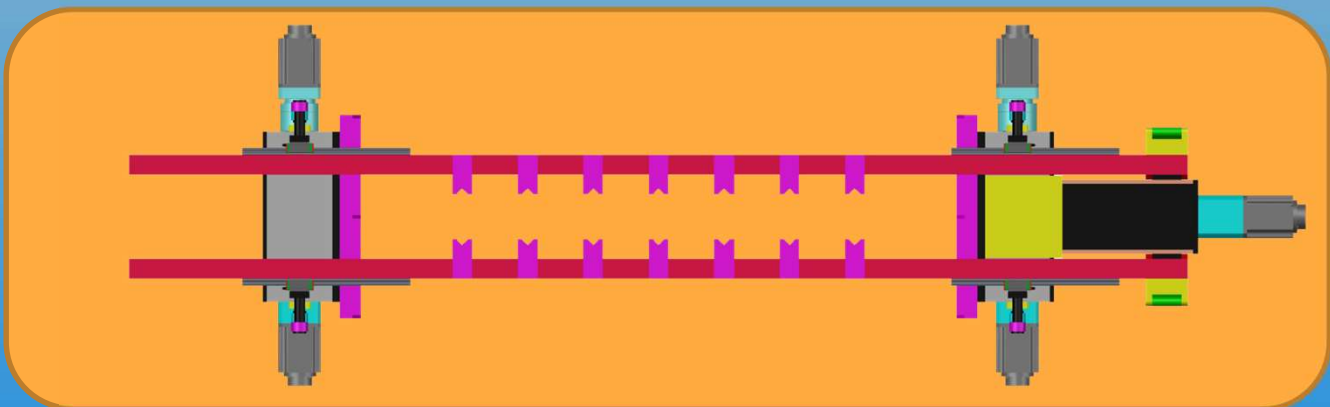
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AST3All Series

Common Characteristics of Two Bar System -

1. Each Servo Axis is operated with high accuracy with the help of Precision Servos.
2. To Protect Tooling and Machine, each system is by-default comes with mis-feed, die-stuckage & Jamming detection feedbacks are taken in each process cycle to provide required safety.
3. The Position Synchronization is performed with the help of Rotary Encoders which connects to the crankshaft of the press. All the transfer axes are driven by servo motor and run synchronously with the press.
4. Along with Encoders, Transfer System Controller stays in-continuous communication with press PLC along with the Additional Hard Sensors mounted on output shaft via Rotary cam box to reduce any accidental risk in case of Encoder failure.
5. Blank Feeders are generally used to feed Blanks via Magazine type feeders but Servo Sheet Feeders or Zig Zag Feeders can also be utilized by customizing to suit Transfer system & its respective press.

Top View Sample Layout -



* For easy reference purposes and may vary based on actual component.



AST3All Series

Specifications -

Sr. No.	Item	Unit	AST3All-125L	AST3All-250L	AST3All-500L
1	X Axis / Transfer pitch	MM	0-125	0-250	0-500
2	Y Axis / Clamping Stroke	MM	0-40	0-65	0-90
3	Z Axis / Lift Amount	MM	0-30	0-50	0-80
4	Feed Bar Size	MM	60	80	90
5	Feeding Accuracy	MM	± 0.1	± 0.1	± 0.1
6	Weight Capacity	KG	2	3	5
7	Maximum Stroke Feed	SPM	40	30	20
8	Main Dimensions	MM	Please Contact		
9	Supported Bolster Width	MM	Please Contact		

*The contents are subject to change by manufacturer without prior notice.

Transfer System 3 Axis introduction -

1. In this system variant, All Three Axis are Servo based which not only adds precision accuracy and repeatability but also its programmable feature adds feasibility to produce multiple variants on same transfer system with ease against changeover of Fingers and Recipe.
2. The axis includes Pick Axis derived as Y Axis, Pitch Axis derived as X Axis & Lifting movement denoted as Z Axis.
3. Based on Product variant and Load capacity required, customized system can be designed to suit the desired press to function with synchronization with this system.
4. Specifically all drawn components which require lifting from its base passing line comes under applicational feasibility of 3 Axis Servo Transfer system.



AST3All Series

Standard Features -

- **Precision Servo driven** design for continuous use.
- Ethernet IP based **Automation controller**.
- **Hi-speed Ethercat** based slave communication.
- **Easy Finger changeover**.
- Easy **On-site Remote Support** available.
- **IIOT enabled machine**.
- Remote Monitoring System for **Real time data tracking**.
- Future Ready towards **Industry 4.0**.
- User friendly system with Operator manual over display.
- **Battery less Absolute Encoder design** for easy maintenance.
- Electrically protected **safety operated against Voltage levels**.
- **Energy Monitoring system** facilitates Asset management.
- Completely programmable system.
- Large sized Operator display (HMI) for ease.

If undelivered,

Please return to below address :

Manufactured by -

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