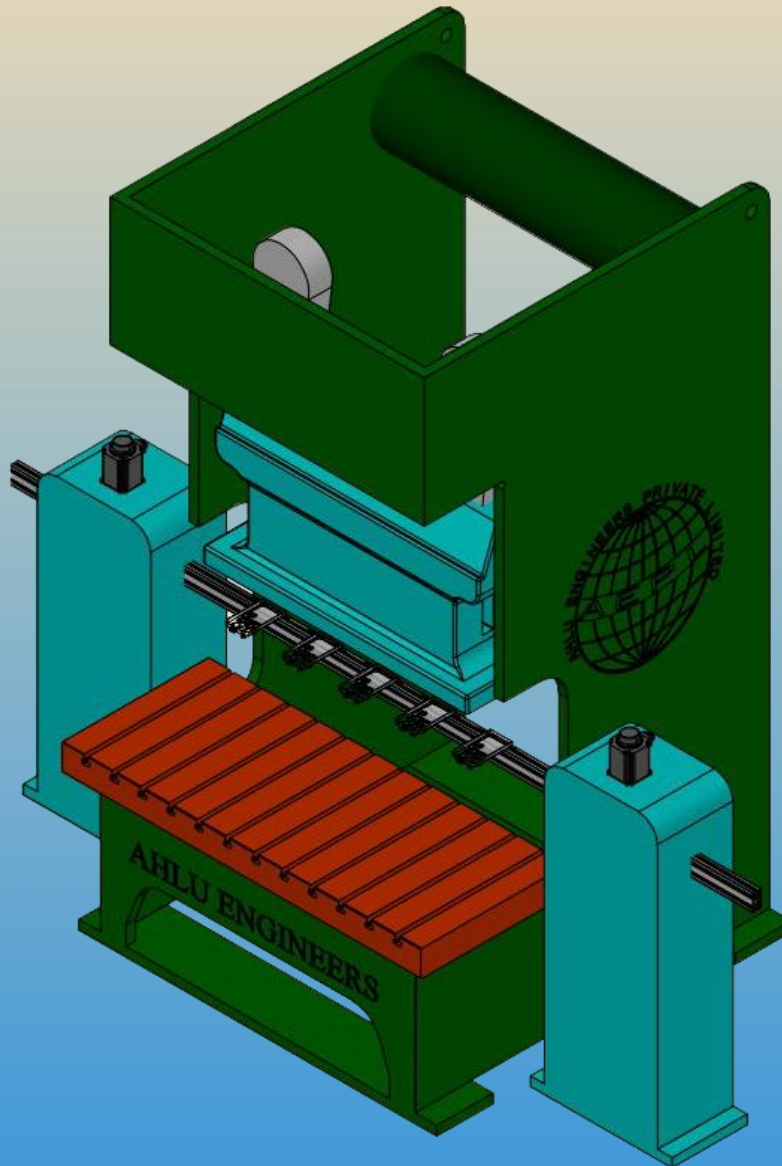




**AHLU  
ENGINEERS  
PRIVATE LIMITED**  
[www.ahluengineers.com](http://www.ahluengineers.com)

**AST2AI Series**

**Ahlu Servo Transfer 2 Axis Single Bar type**



**Manufacturer :**

**AHLU ENGINEERS PRIVATE LIMITED**

Near Shiv Sena Office, Sonarpada Phase 2, Dombivali (E) 421204

Mumbai, Maharashtra, India. Mob. +91-(0)8295-150-210

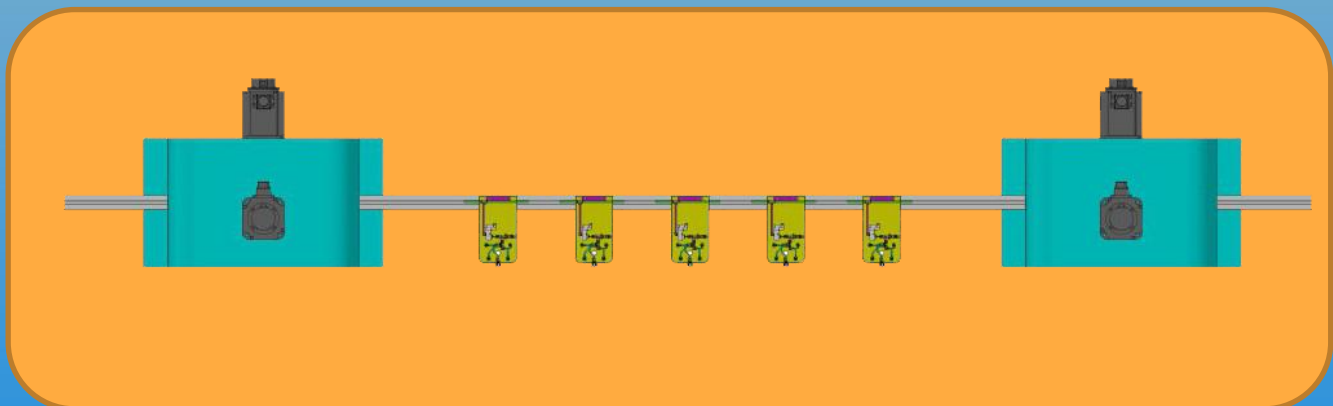
[www.ahluengineers.com](http://www.ahluengineers.com) [sales@ahluengineers.com](mailto:sales@ahluengineers.com)

## **AST2AI Series**

### **Common Characteristics of Single 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.



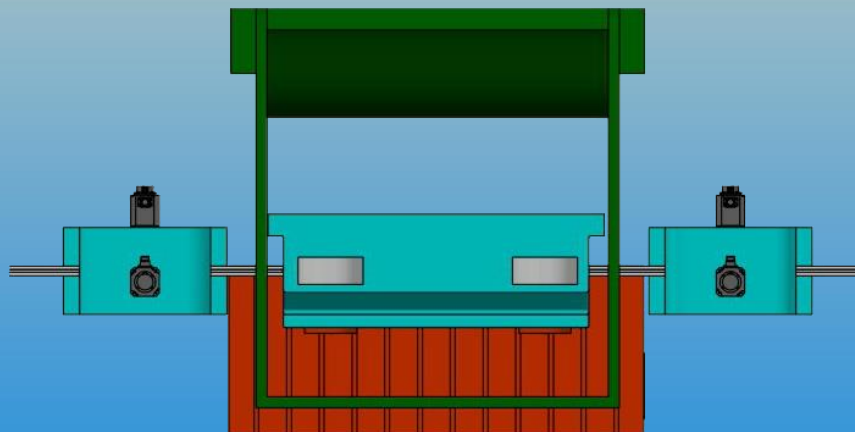
## AST2AI Series

### Specifications -

Sr. No.	Item	Unit	AST2AI-150L	AST2AI-300L	AST2AI-500L
1	X Axis / Transfer pitch	MM	0-150	0-300	0-500
2	Z Axis / Lift Amount	MM	0-30	0-50	0-80
3	Feed Bar Size	MM	60	80	90
4	Weight Capacity	KG	2	3	5
5	Feeding Accuracy	MM	± 0.1	± 0.1	± 0.1
6	Maximum Stroke Feed	SPM	30	20	15
7	Main Dimensions	MM	Please Contact		
8	Supported Bolster Width	MM	Please Contact		

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

### Top View Sample Layout w.r.t. Press -



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



## **AST2AI 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 -**

**AHLU ENGINEERS PRIVATE LIMITED**

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