



# MAXIMIZE YOUR EFFICIENCY

WITH THE ACCURMAX SERVO-ELECTRIC TURRET PUNCH PRESS



# The All Electric Turret Punch Press

Designed with the modern fabricator in mind, the new generation of AccurMax turret punch is a low energy, high efficiency turret punch with low environmental and maintenance costs.

## Flexible Thick Turret

The multiple turret configurations provide flexible production setups. The thick turret combined with replaceable hardened tooling sleeves provides customers with minimum deflection and maximum machine longevity.



## Operator Interface

Equipped with the time tested and reliable FANUC Oi-PD LCD mounted controller. This is combined with the Accurpress Operator MDI panel for simple, easy to use machine interface.



## A World Class Turret Punch Press

The AccurMax is made with top quality components and is built to the highest standards. Complete with rich features, it is designed for optimal performance, convenience and reliability.

All frame configurations are field tested and engineered to last using FEA.



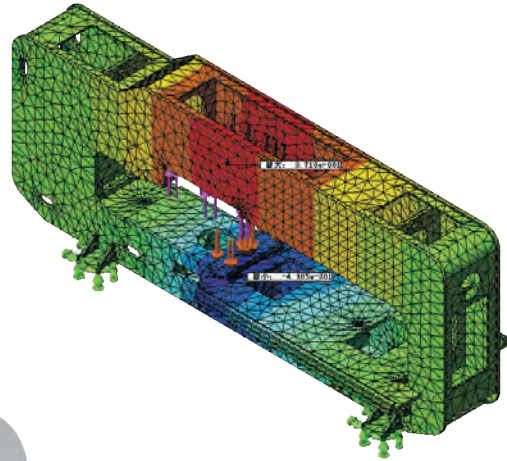
## Auto Indexable Multi-Tools

The flexible auto index station will easily handle tools from a variety of vendors, such as Mate and Wilson tools. Complex parts and configurations can be produced with maximum efficiency.



#### O-Frame Structure

The AccurMax frame undergoes a complete heat destressing and is FEA tested for maximum longevity, rigidity and reliability.



**AccurMax**

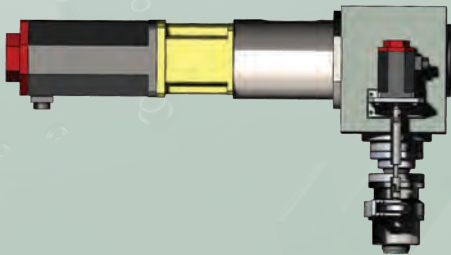
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#### FANUC Motors and Drives

The AccurMax utilizes the top of the line  $\alpha$ -iB line of FANUC motors and drives, these motors feature high speed, high precision and low energy consumption.

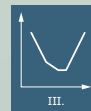
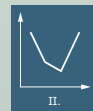
#### THK Ball Screws and Linear Guides

Tough built with multiple precision THK linear guides for maximum rigidity. Dual THK ball screws drive the Y-axis and a blisteringly fast rack-and-pinion driven X-axis allows the AccurMax to reach high processing speeds while maintaining accuracy of  $\pm 0.1\text{mm}$  (0.004").



#### Electric Servo Ram

Low energy consumption, high speed combined with a programmable stroke allows the AccurMax to use tooling for all types of applications from marking to forming.



#### Programmable Ram

- I) High speed applications.
- II) Low noise applications.
- III) Forming applications.

## Standard Features

The AccurMax comes standard with the following features:

- Automatic Tool and Linear Components Lubrication System
- Pneumatic Ball Transfer and Brush Table for ease of loading/unloading
- Vacuum Assist System for slug removal
- 32 Stations 2 Auto indexing stations
- Mirror-Type Safety System to guard entire work envelope
- Man-Sensors on moving tables
- Sheet Jam Protectors to detect warped material
- Sheet-gripper sensors to detect loose material



### Automatic Lubrication

The Accurmax comes standard with two automatic lubrication systems.

#### Automatic Tool Lubrication System

The Automatic Tool Lubrication System ensures that tools stay in peak condition and drastically lengthens tool longevity and product reliability.

#### Automatic Linear Components Lubrication System

All linear axes are kept lubricated by an automated system that distribute discrete amounts of lube on a set schedule.



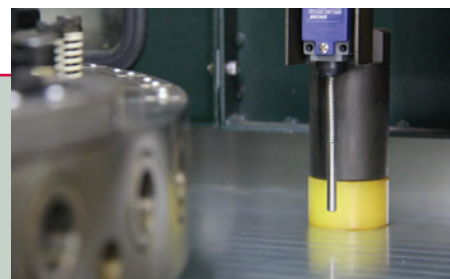
### Vacuum Assist System

The Vacuum Assist System increases machine reliability by reducing slug pulls and improves material processing.



### Mixed Ball and Brush Table

The standard configuration features a mixed ball and brush table that comes with an integrated pneumatic ball transfer table to ease loading and unloading.



### Sheet Jam Protectors and Workplace Repositioning

Each machine comes configured with Sheet Jam protectors to detect warped material which automatically pauses the current part program. Also the AccurMax has a sheet repositioning system to handle oversized parts.

## Optional Features

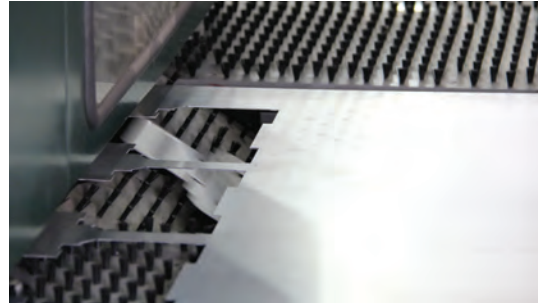
The AccurMax can be equipped with a variety of productivity enhancing features.

- Auto Clamp Repositioning
- Auto Part-drop Table and Work Chute
- Auto-feed Conveyor and Parts Bin



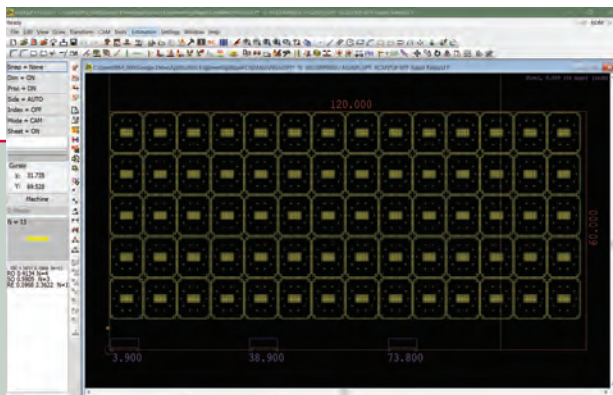
### Automatic Clamp Positioning

Automatic Clamp Positioning reduces setup time and errors, and provides machine runtime flexibility and productivity.



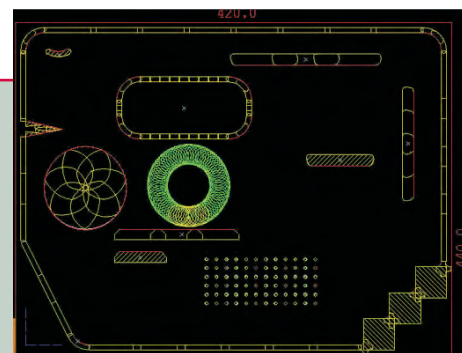
### Drop Chute and Conveyor

The part Drop Chute and Conveyor options allow processing and sorting to be automated and simplified for parts ranging from 100mm x 100mm and 400mm x 400mm. Part chute machines come with an additional A station closer to the edge of turret used for separating parts into the chute.



### CAD/CAM Nesting Software

The G-code for the Oi-PD controller can be generated from nesting software. The operator may nest multiple parts, maximize sheet utilization and streamline their workflow to ensure their turret punch is working in peak condition.





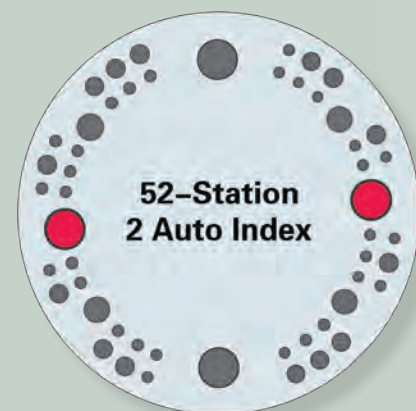
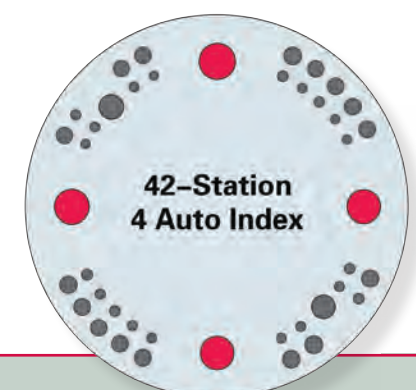
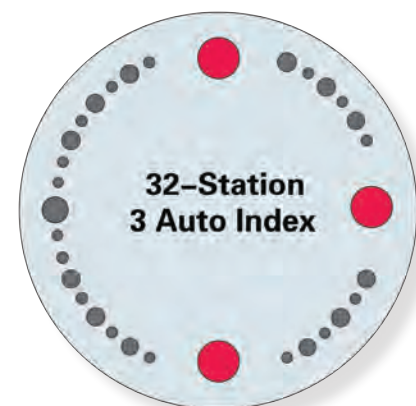
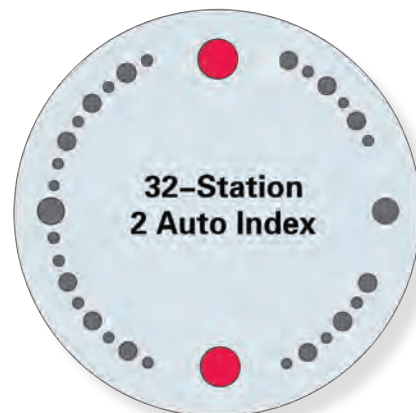
# Turret Configurations

## Standard Turret

- 32 Stations 2 Auto index:  
Our entry level turret offers a full set of tooling with two auto indexing stations.

## Optional Turret Upgrades

- 32 Stations 3 Auto Index:  
With one flex station, the 32 station turret can be upgraded with an additional auto index D station.
- 42 Stations 4 Auto Index:  
Our most flexible design comes with four auto indexing stations to offer the most advanced material processing capabilities.
- 52 Stations 2 Auto Index:  
Our premium tooling setup utilizes two rows of tooling to minimize tool changes and keep your turret in production.



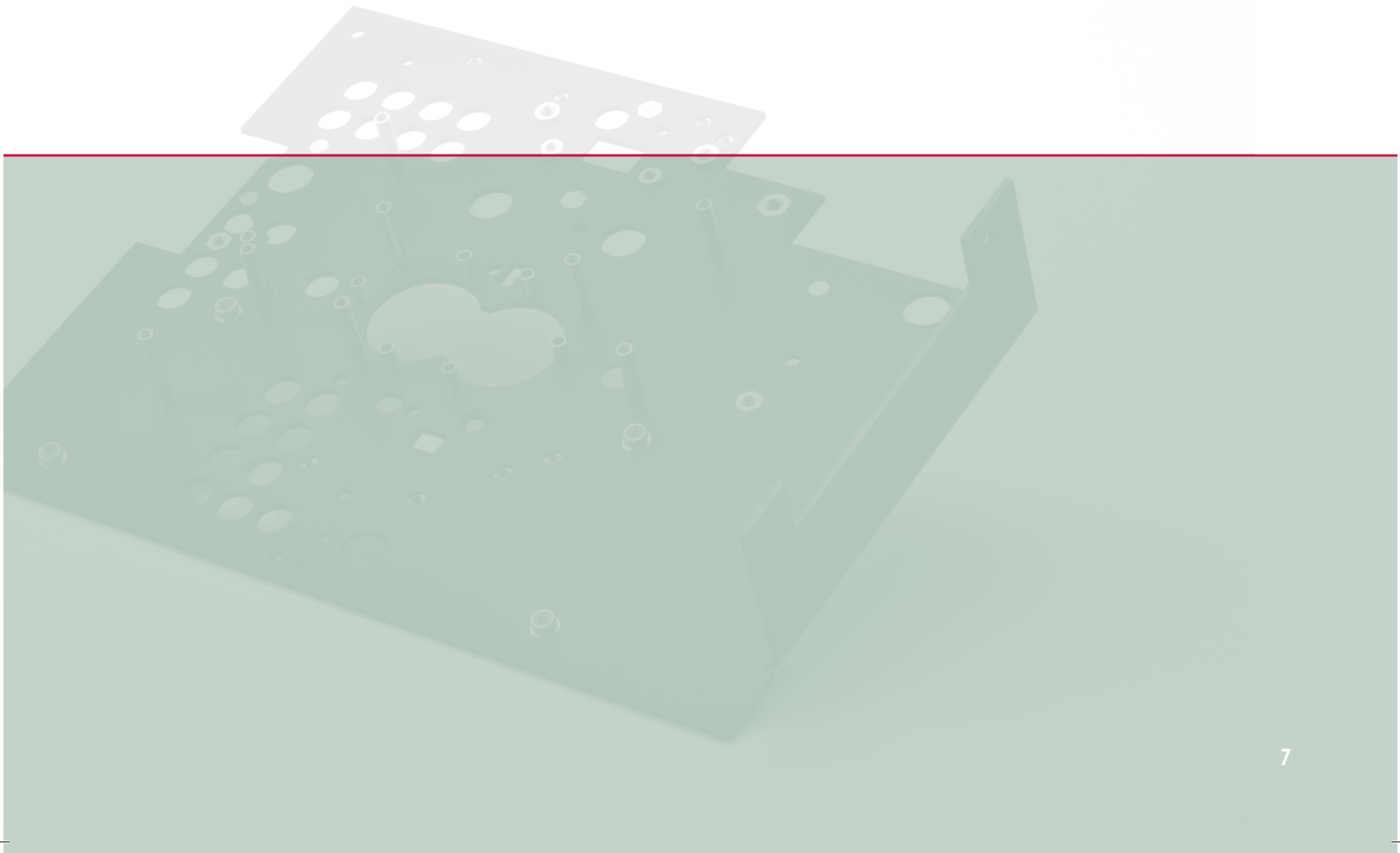
### TURRET CONFIGURATION

Turret Configuration	A	B	C	D	D - AI
32 Station - 2 Auto Index	16	12	2	0	2
32 Station - 3 Auto Index	16	12	1	0	3
42 Station - 4 Auto Index	20	16	2	0	4
52 Station - 2 Auto Index	30	14	4	2	2

## Accurpress Automation

Accurpress Automation has options for configuring and linking machines with various types of robotics. The flexible setups allow for full production lines or simple standalone installations, whatever your needs, Accurpress will deliver.

Achieve fast and precise performance with a customized automation setup. A number of features and options are available to ensure your individual requirements are perfected.



# ACCURMAX SPECIFICATIONS

Maximum Sheet Thickness	6mm	
Tonnage	20 or 30 Tonnes	
Y-axis travel	1525mm	
X-axis travel	2500mm	
Maximum Sheet Size	1500x5000mm	
Throat Depth	1550mm	
Feed Clearance	22mm	
Maximum Sheet Weight	300kg	
960		
HIT RATE	20T	30T
1mm material, 4mm stroke, 25mm pitch	400 HPM	350 HPM
1mm material, 4mm stroke, 1mm pitch	960 HPM	700 HPM
Marking	960 HPM	1380 HPM
AXIS SPEED	20T	30T
X-axis	105m/min	100m/min
Y-axis	80m/min	60m/min
Punching Accuracy	+/- 0.1mm	
Turret Index Speed	35rpm	
Compressed Air	0.55MPa	
Machine Mass	20T	
FLOOR PLAN (X-Y Travel)	1525mm x 2500mm	2000mm x 2500mm
Length	5550mm	6750mm
Width	5310mm	5310mm
Height	2300mm	2300mm

Specifications are subject to change without notice.

