

Transfer System Specifications

250, 500, 750, and 1000 Series

- Proven servo technology
- Performs at speeds up to 250 strokes/min.
- Fully programmable in all directions
- Absolute positioning control
- 2 or 3 Dimensions
- Durable swing-arm design
- Overload protection on all axes



TTS transfers are among the most highly regarded in the industry thanks to their speed, precision, reliability, and modular design.

Fast and Precise

TTS transfer systems are perfect for even the most delicate precision jobs, such as high-volume light gauge stamping. The system is powered by patented kinematics with ARADEX controls which allow it to attain the highest transfer speeds anywhere. Depending on tool configuration and press capabilities, it can run up to 50% faster than other transfers and stay synchronized at rates up to 250 strokes/minute.

Rugged and Reliable

Smart design and durable construction ensure years of dependable service with even the most aggressive lubricants. Because TTS transfers are completely enclosed, they can handle harsh warm-forging environments without sacrificing precision. Vectonum software ensures reliable and safe operation throughout the press cycle, and provides industry-leading tooling data storage space.

Easily Adaptable

Upright or inverted, standing or hanging, the TTS system is designed for a broad range of installation configurations on your press. Whatever the configuration, TTS systems give you the option of programming hundreds of part recipes, maximizing your production capabilities.

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Transfer System: 2 Dimensional Specifications

Model		250-NC	500-NC	750-NC**	1000-NC**
Feed	(mm)	0 - 250	0 - 500	0 - 750+	0 - 1000+
Gripper travel	(mm)	0 - 120	0 - 150	0 - 180	0 - 250
Gripper and stage weight	(kg)	18	30	60	90
Force/Gripper rail	(N)	2500	4000	6000	8000
Rail Distance	(mm)	150 - 300	270 - 500	270 - 750	350 - 1000
No. of strokes*	(1/min)	250	150	75	65

Additional 3 Dimensional Specifications

Lift travel	(mm)	0 - 80	0 - 120	0 - 150	0 - 200
Gripper and stage weight	(kg)	40	60	100	200
No. of strokes*	(1/min)	150	100	65	50

*No. of strokes/min. are average values and depend on weight, travel, and press timing.

**These values are based on standard systems. Longer feed pitch capabilities are available. Please contact us for more information.

Mechanical

Swing arm technology
Brushless servo motors
Precision gear boxes
Overload couplings
Sealed bearings

Controls

Aradex controls
Patented motion algorithms
Upgradable from 2 to 3 dimensions

Software

Aradex Vectonum NT
Aradex Vectovision
Sander Simulation

Power Requirements

400 VAC
50/60 Hz

Part Inputs

0 - 15 Grippers part control

Options

16 - 30 Grippers part control
1 - 32 Programmable relays
1 - 32 Monitored inputs
Teach pendant
Automatic Tool Change

Modes of Operation

Setup
Service
Synchronous Operation
Test Mode
Tool Change
Main screen
Cam control



Modular 3 dimensional assembly



Electrical control panel



Operator panel