



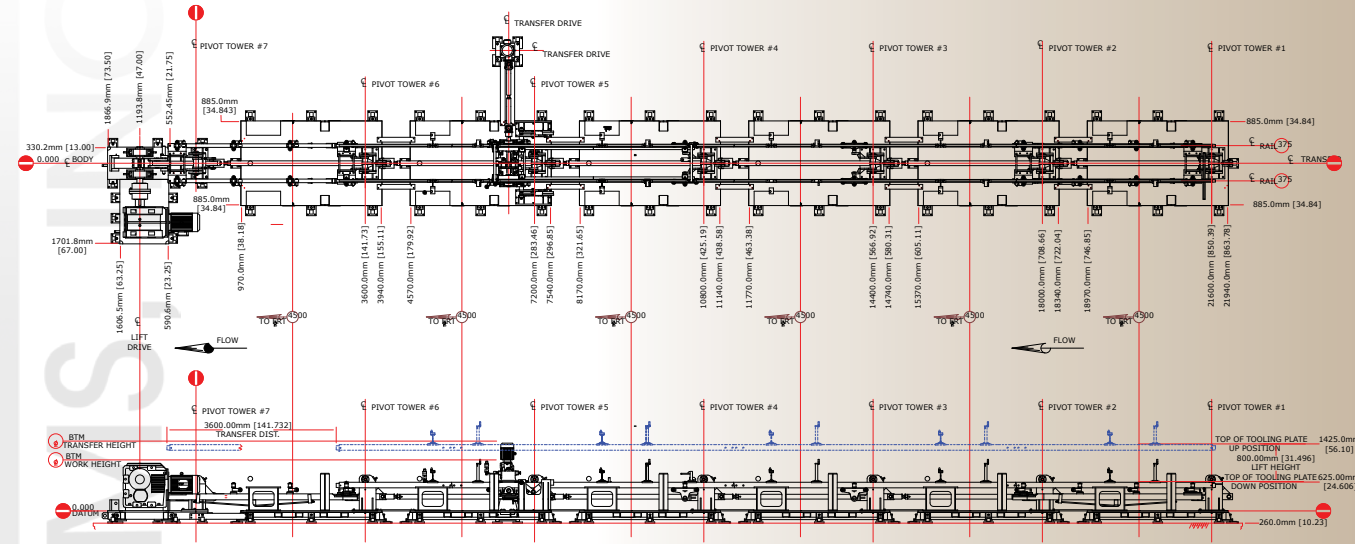
• **Lift System**

- Soft Touch Lift Drive - VFD or Cymonic
- Soft Touch Motion can be adjusted to anywhere in the middle 2/3 of the lift stroke.
- Safety Lock Outs
- Safety brake feature included
- Drag Links connecting lift tower bell cranks are adjustable through a turn buckle design.
- Lift Towers can be mounted on station tooling bases or free standing.
- Speeds, weights, and transfer distances per customer's needs
- Counter balance if required

• **Transfer System**

- Urethane rollers are used to support the transfer rails.
- Formed Steel Transfer Rails are used to reduce overall weight and noise.
- Tooling plates adjusted along the rail.
- Transfer of the rails is accomplished with a set of gear racks and pinions.
- Scott Russell Linkages are used to restrict horizontal movement of transfer pinion jack shaft.
- A telescoping, flexible drive shaft connects the transfer pinion jack shaft to a transfer drive unit.
- VFD or Cymonic drive solutions available

• **Controls solutions available**



Specifications		Solutions engineered to customer's requirements	
Lift			
Maximum weight without counter balance		6800 kg (15000 lb.)	
Maximum weight with counter balance (Air counter balance available)		20400 kg (45000 lb.)	
Transfer			
Weight		Up to 13600 kg (30000 lb.)	
Distance		3.6 meters (12 ft.) to 7.3 meters (24 ft.)	
Time		3.0 Seconds to 6.0 Seconds	
Drive Options			
Closed Loop VFD		<ul style="list-style-type: none"> - SEW or Nord 7 Series gear reducer and IEC Low Inertia AC motor - Allen Bradley Powerflex VFD 	
	Cymonic Transfer Drive	<ul style="list-style-type: none"> - Four sizes available: 11298 N-m, 22597 N-m, 45194 N-m, 90388 N-m (100000, 200000, 400000, and 800000 in-lb) - Cymonic Mechanical Motion Profile – Over Travel Shocks not required - Peak HP Requirement is 1/4th of direct drive VFD or Servo Drives - Single Position Overload Detent Clutch built inside the drive. - Output Turn Ratios of 4:1, 6:1, 8:1, 10:1, and 12:1 available 	
Closed Loop Servo		<ul style="list-style-type: none"> - Indramat Servo Motor and Controller - SEW or Nord 7 Series gear reducer with low backlash gearing - Other manufacturer's available upon request 	
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