



(Chapter 2)

NITA Cyclone conveyors PRE-SITE and installation guide

Models concerned Cyclone PR3444 (plate rotator)



- **Cyclone conveyor specifications**
- **Footprint**
- **Pre-site checklist**
- **Installation checklist**



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Conveyor MODEL	Cyclone (PR3444)	Shifter (TC3444)	Magic Mushroom	SCI 36 bridge
PLATES SUPPORTED	FUJI, AGFA, KPG, ANOCOIL, LASTRA, PRESSTEK, PDI, SOUTHERN LITHO etc			
MAXIMUM PLATE SIZE	35 X 45	35 X 45	35 x 45	33 x 36
MINIMUM PLATE SIZE	10 X 13	10 X 13	10 x 13	10 x 13
THICKNESSES SUPPORTED	0.008 - 0.016"	0.008-0.016"	0.008-0.016"	0.008-0.016"
HANDLING DIRECTION	<i>Rotate, straight</i>	<i>right/ left turn</i>	<i>rotate, & shift left/right</i>	straight ahead
PRODUCTIVITY (THROUGHPUT)	150 plates/hour +	150 plates/hour +	150 plates/hour +	150 plates/hour +
POWER REQUIREMENTS	110 V AC, 3 AMPS	110 V AC, 3 AMPS	110 V AC, 3 AMPS	110 V AC, 3 AMPS
AIR REQUIREMENTS	90 PSI (5SCFM)	90 PSI (5SCFM)	90 PSI (5SCFM)	none
AIR CONNECTOR	1/4" NPT	1/4" NPT	1/4" NPT	none
SHIPPING WEIGHT	200 lbs	200 lbs	300 lbs	175lbs
PHYSICAL DIMENSIONS	62D x 60W x 50H*	50D x 50W x 45H*	63D x 63W x 45H*	35D x 38W x 45H*
* all heights are adjustable	9 inches	9 inches	9 inches	9 inches
DETECTION POSSIBILITIES	bar code, size, color	bar code, size color	bar code, size, color	bar code, size color
# of inputs / outputs	1 in / 1out	1 in / 2 outs	MULTIPLE CONFIGS	1 in / 1 out

Specifications

Please note: These conveyors are not supplied with their own compressors
 The air requirements should come from an in-house compressor capable of
 At least 90 psi of air pressure. These conveyors are equipped with air flow regulators.

Either side of the Cyclone plate rotator needs to have ample room for a person to be able to access the internal pneumatic and electrical boxes. Nita recommends a minimum of 24 inches on either side.

