

T/A CONVEYOR



The Union Tool Corporation

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T/A CONVEYOR

Automation should be a positive feature of any production process. True automation should reduce or eliminate the need for manual intervention. The Union Tool Corporation has designed and developed Material Handling Equipment which will allow drying and curing conveyORIZED ovens to be part of an automatic production process. The Union T/A Conveyor is specifically designed to be placed after conveyORIZED drying or curing ovens. This unit has the unique ability to transfer printed circuit board materials directly from the infeed conveyor to the offbearing conveyor, without accumulating, and the ability to accumulate over 100 panels in individual slots. This allows the preceding oven to be completely emptied and the printed circuit board substrates accumulated individually while the feeding operation of corresponding production equipment continues.

For example, tach cure ovens for photo-imageable solder mask may now be placed in line with automated printers. The Union T/A Conveyor will automatically take printed circuit board substrates directly from the tach cure oven and convey them directly into the automatic printer. During art work changes or emergency stops, no manual intervention is necessary. The Union T/A Conveyor will automatically accumulate the panels, either temporarily, or until the complete preceding oven is emptied. The feed cycle may continue even during the accumulation process. The ability to accumulate, feed and react to conditions of production processes, makes the Union T/A Conveyor the automatic answer.

MECHANICAL SPECIFICATIONS

OVERALL DIMENSIONS	Length: approximately 120" Width: approximately 48" Height: approximately 68"
POWER	110/220/440 volt, 1/3 phase, 50/60 cycle Control voltage: 24-volt DC or 110-volt AC
AIR	80 psi air connection required; air consumption 1 to 3 cfm
CONVEYOR SPEED	Infeeding and offbearing: 1 to 15 l.f.p.m.
CONVEYOR POWER	Fractional HP, DC motors
PROGRAMMABLE CONTROLLER	Includes standard Allen Bradley SCL programmable controller to control the cycle
PAINT	To meet customer specifications
CYCLES PER MINUTE	25 sec maximum cycle time

NOTE: Variations in size, floor layout and many options are available. Please contact The Union Tool Corporation for further detailed information.

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