



AC-30

DURA-TRANS AC-30 Pick-and-Place Transfer Device is designed to provide an economical and efficient part transfer mechanism. Sturdy and compact in construction, the unit is operated by a pneumatic rotary actuator controlled by a 4-way air control valve. The unique slotted cam with three cam followers provides a smooth transition of rotary motion to linear movement.

QUALITY CONSTRUCTION

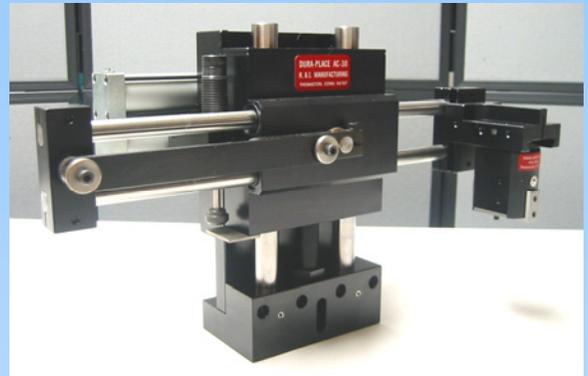
DURA-TRANS AC-30 utilizes dual rods in both horizontal and vertical planes to ensure smooth movement and positive alignment. Rod bearings are oil impregnated bronze bushings which eliminate the need for re-lubrication. Neoprene seals are provided to protect the bushings from atmospheric dirt. Bronze bushings are utilized rather than ball bearings because bushings distribute the weight over a larger surface area. This results in less wear on the slide rods. Horizontal stroke adjustment is by the external link arm. Vertical stroke adjustment is by an adjustable stop screw. The adjustable stop screw has a built-in hydraulic plunger arrangement to cushion the shock of the body as it ends its downward stroke.

TOOLING VERSATILITY

The tool mounting block is supplied blank. Sufficient material has been provided between the rod bores and the front face of the block to permit drilling and tapping holes for attaching fingers. In addition, the tool mounting block can be repositioned on the horizontal rods to compensate for any misalignment when mounting the unit.

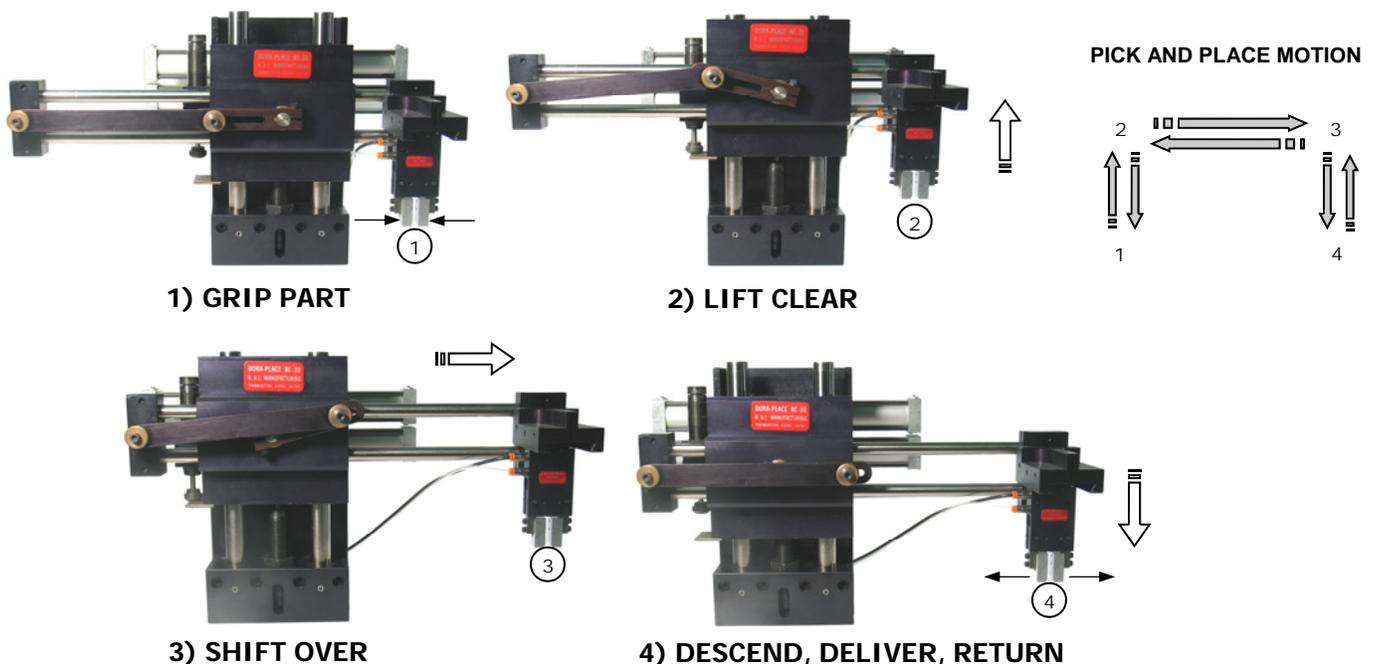
Available as optional equipment is the R&I Dovetail Bracket Kit DB-20 which accepts **DURA-GRIP** Model GH-21A or GH-22A Part Placement Devices. This dual dovetail bracket arrangement permits three finger adjustments: side-to-side on the horizontal rods, up-and-down with the dovetail bracket and front-to-back with the dovetail gripping device.

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DURA-TRANS AC-30 Pick and Place Transfer Device shown above with two-piece Dovetail Bracket Kit **DB-20** holding a **DURA-GRIP PH-50** Parallel Gripper

OPERATING PRINCIPLES





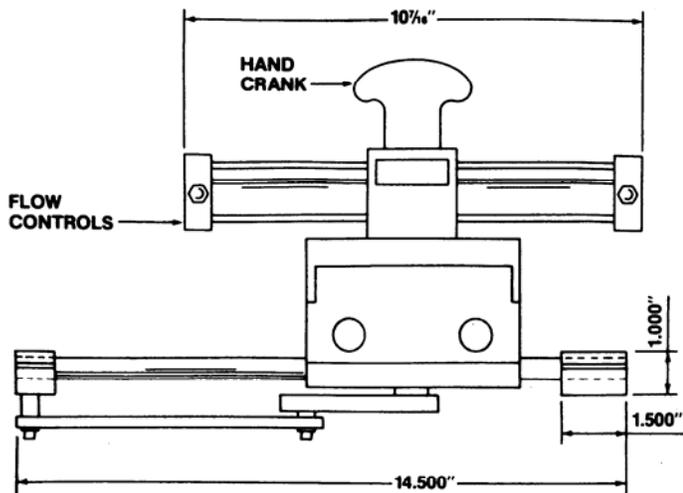
R&I
MANUFACTURING CO.

DURA-TRANS
PICK AND PLACE

AC-30



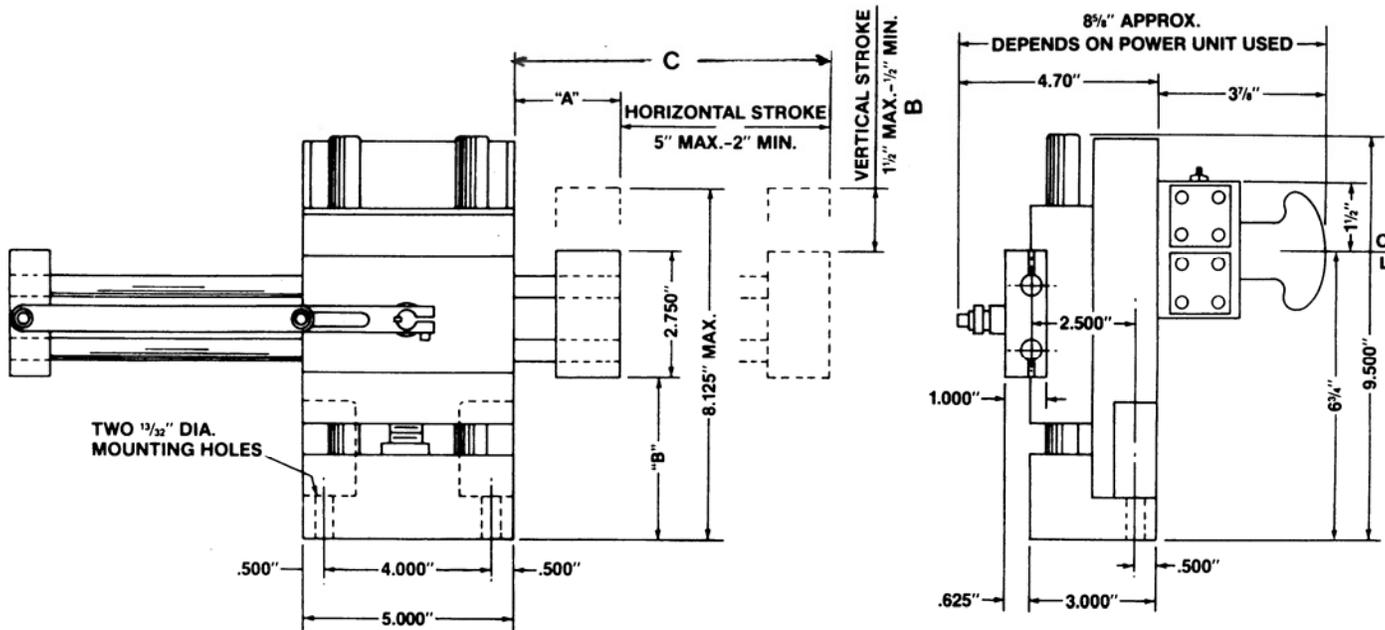
DIMENSIONAL DRAWING



SPECIFICATIONS

	AC-30
Horizontal Stroke - ADJUSTABLE	2.0" - 5.0"
Vertical Stroke - ADJUSTABLE	0.5" - 1.5"
Horizontal Rod Diameter	0.500"
Vertical Rod Diameter	0.750"
Air Requirement	60 psi
Cycle Speed @ min stroke, no load	90 per min
Cycle Speed @ max stroke, no load	60 per min

HORZ. STROKE	DIM. "A"	DIM. "C"	VERT. STROKE	DIM. "B"
5"	2-1/2"	7-1/2"	1-1/2"	3-7/8"
4-1/2"	2-3/4"	7-1/4"	1-1/4"	4-1/8"
4"	3"	7"	1"	4-3/8"
3-1/2"	3-1/4"	6-3/4"	3/4"	4-5/8"
3"	3-1/2"	6-1/2"	1/2"	4-7/8"
2-1/2"	3-3/4"	6-1/4"		
2"	4"	6"		



NOTES:

1. To Control speed of unit maintain at least 60 psi.
2. Use Flow Controls adjust speed.
3. Erratic motion may result if unit is run below 60 psi
4. Unit can be order for right or left hand operation. Right hand operation is shown above

HOW TO ORDER : BASIC UNIT

BASIC MODEL

AC-30

SAMPLE ORDER: AC-30

Ex) AC-30

Consult Factory for more information

Other strokes and custom construction available upon request