



D.I.T. EQUIPMENT

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SQUIDLY

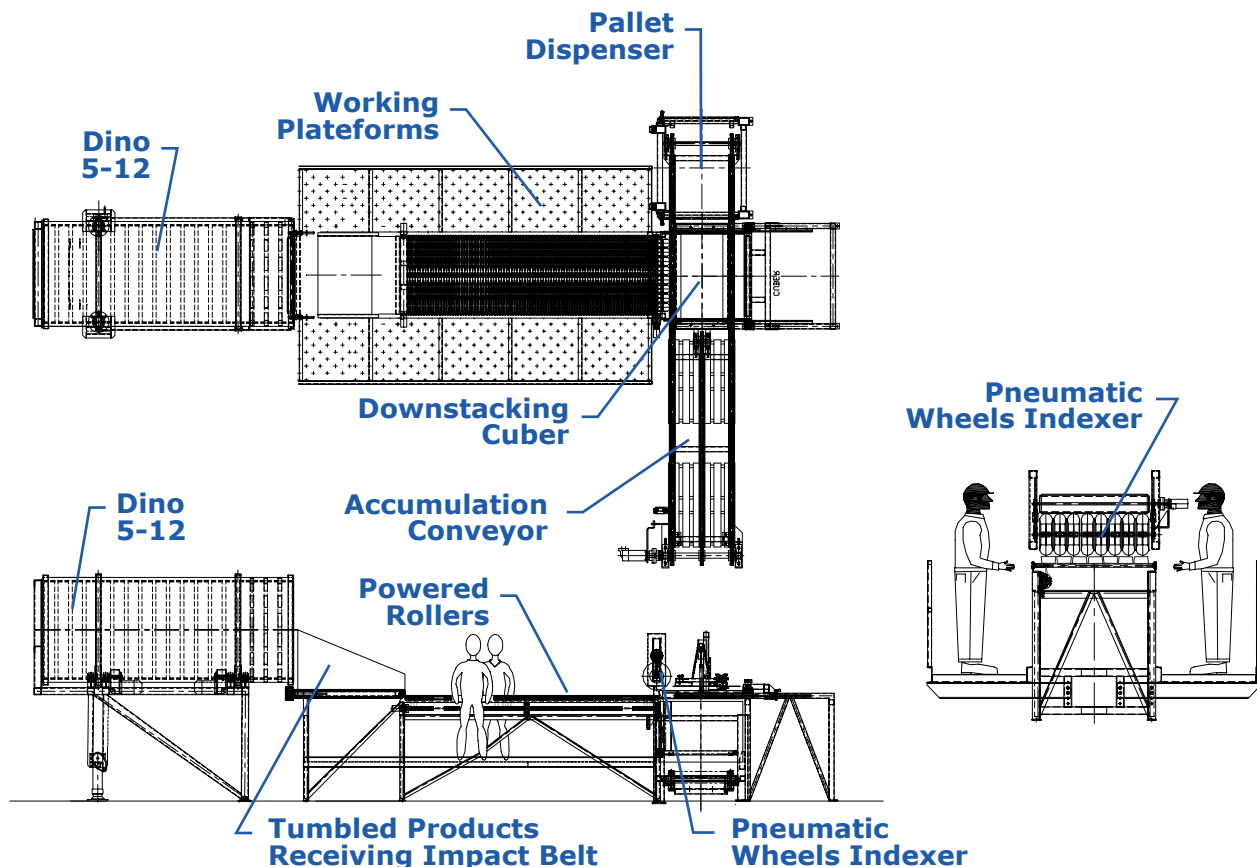
MODEL ERGO-SORT *

**TUMBLING PRODUCTS
SEMI-AUTOMATIC
HANDLING AND
CUBING SYSTEM.**



**For efficient sorting,
pattern forming and
recubing of tumbled
paving stones and
retaining walls.**

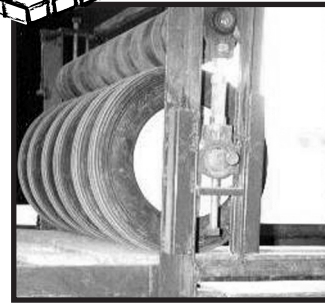
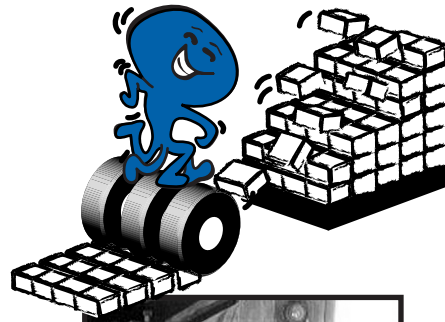
LET SQUIDLY SPIN THEM ON THE PALLET





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SQUIDLY MODEL ERGO-SORT *



DATA

Dimensions (approx.) Height ☐ Width ☐ Length

Main components

1 Impact belt conveyor:	66"	<input type="checkbox"/>	60"	<input type="checkbox"/>	72"
1 sorting roller conveyor:	60"	<input type="checkbox"/>	48"	<input type="checkbox"/>	144"
1 Set of pneumatic wheels:	84"	<input type="checkbox"/>	60"	<input type="checkbox"/>	15"
1 Down stacking cuber:	96"	<input type="checkbox"/>	60"	<input type="checkbox"/>	60"
1 Accumulation conveyor:	18"	<input type="checkbox"/>	36"	<input type="checkbox"/>	288"
1 Pallet dispenser	60"	<input type="checkbox"/>	60"	<input type="checkbox"/>	60"
1 Hydraulic power unit:	36"	<input type="checkbox"/>	24"	<input type="checkbox"/>	48"

Weight:

10,000 lbs

Drive:

Hydraulic motors/cylinders

Electrical power:

15 HP

Production rate:

Up to 10 cubes/hr

Controls:

PLC with operator interface

DESCRIPTION

The pattern forming is made by two men working from two platforms (one on each side) sorting the tumbled product on a special high strength powered roller conveyor. The pattern is controlled by a set of powered pneumatic wheels acting as a gate and as an indexer. The pattern is driven by the pneumatic wheels on a fast down stacking cuber. The two men ergonomic position on each side of the powered roller combined with the constant push of the pattern on the gate (pneumatic set of wheels) allow a production rate of up to 10 cubes per hour depending on complexity of the pattern to be cubed.

SPECIAL FEATURES

- Strong receiving impact bed to receive tumbled product of up to 100 lbs.
- Adjustable working platform to insure an ergonomic working position.
- Friction driven roller conveyor for safe operation and fast positioning of the product.
- Easy product change by adjusting the height of the pneumatic wheels.
- Efficient rubber clutch for constant drive force of the pneumatic wheels.
- Automatic wood pallet dispenser and a finished cube conveyor to hold 2 cubes.

ADVANTAGES

- Process tumbled products of all kind including variable length pavers, multiple unit retaining wall blocks, etc.
- Allows the selection of the exact number of specific products in the pattern.
- Production rate is equal or higher than much more expensive system.
- Process 3 to 4 times more than manual cubing with the same manpower.
- High rate of return on your investment.

**patent pending*