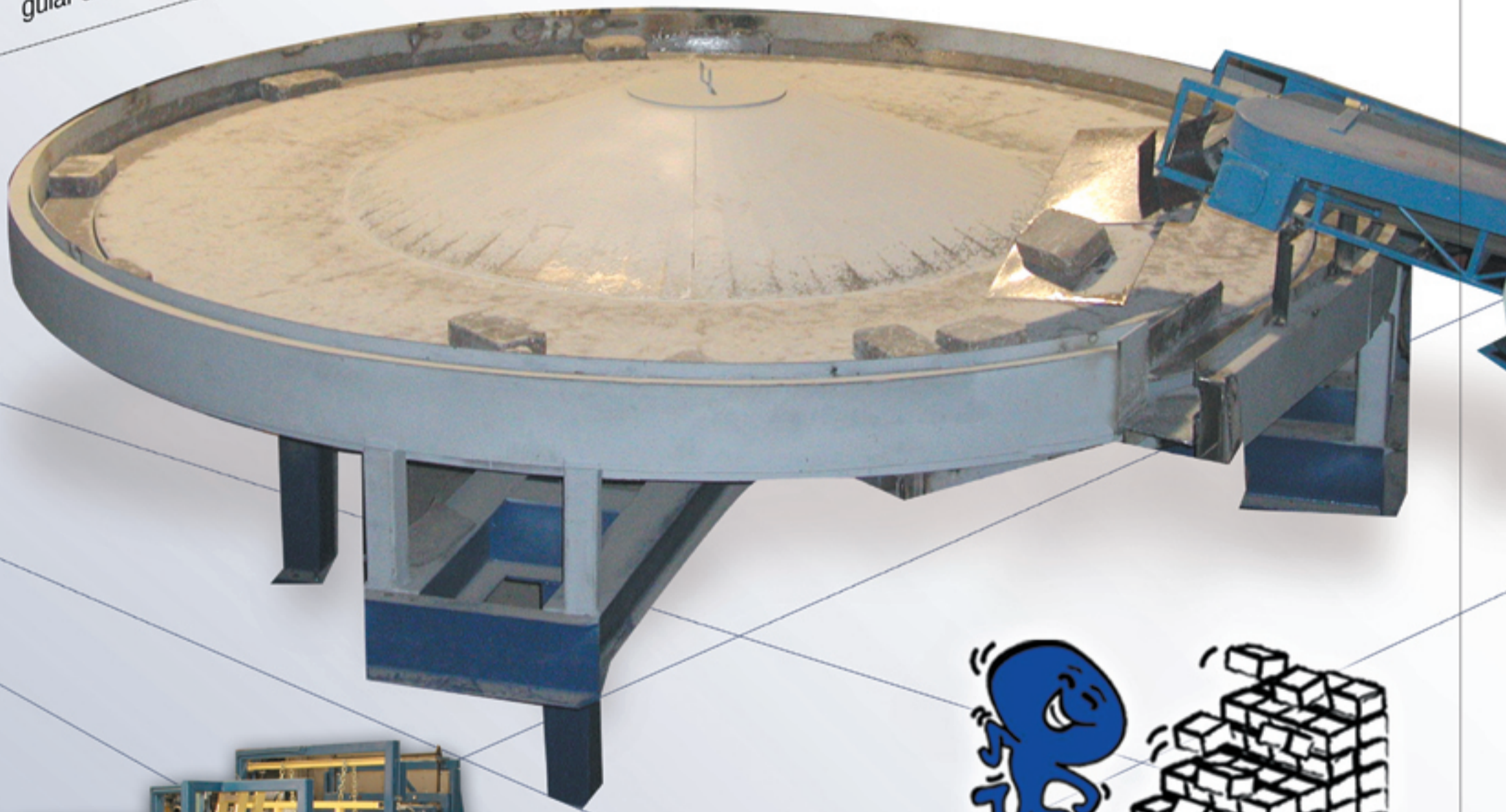


# **D.I.T.** **EQUIPMENT**

## **SQUIDLY PLUS<sup>\*</sup>** **MULTI-LENGTH**

Automatic cubing system for  
**multi-length** tumbled rectangular and square pavers



*Let **Squidly** spin them  
on the pallet!*

Finally, the uncompromised tumbled look **at a low cost**  
Less than **2¢** per Square Foot

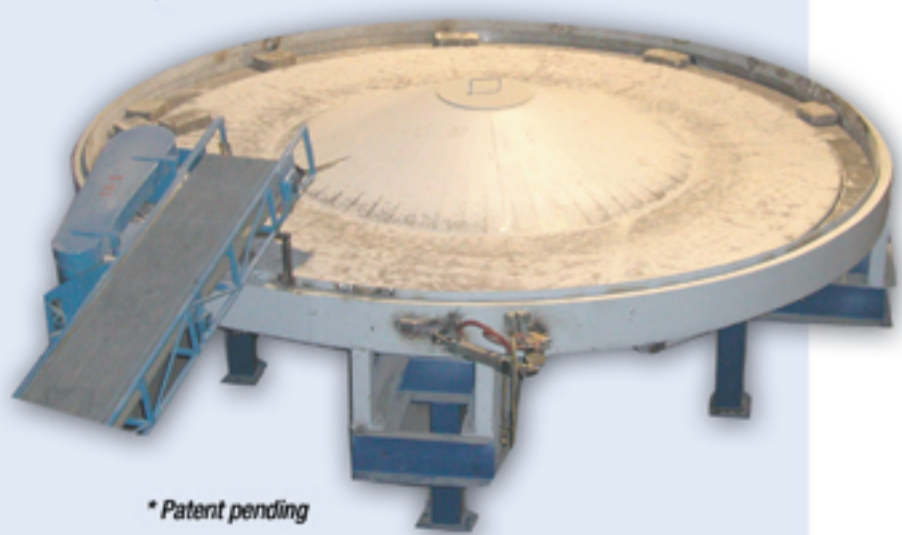
- Up to 3,000 square feet per hour
- Completely automatic
- Lowest re-cubing cost
- Fastest payback

\* Patent pending

# SQUIDLY PLUS\* MULTI-LENGHT

Automatic cubing system for **multi-length** tumbled rectangular and square pavers

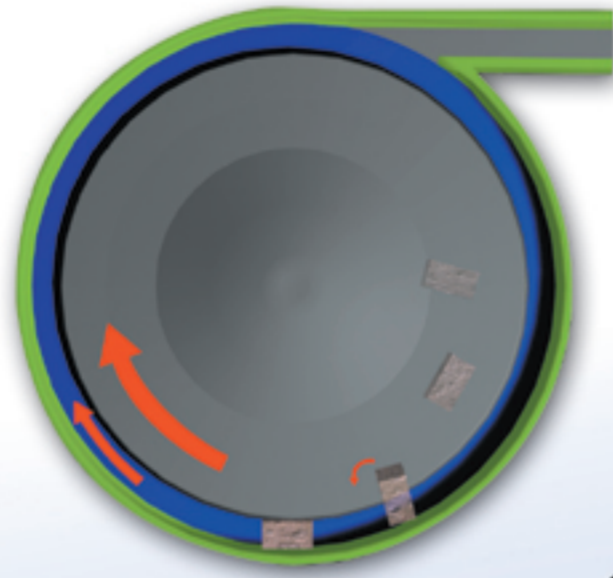
**Squidly Plus** is a revolutionary high-capacity fully automatic paver recubing system. It utilizes the synergy between two principles of aligning rectangular pavers on their longest edge along rotating tables. Once aligned on their longest edge around the table, the pavers leave the table on a narrow conveyor, are sorted by size to make a pattern, and are recubed on a proven DT down stacking cuber.



\* Patent pending

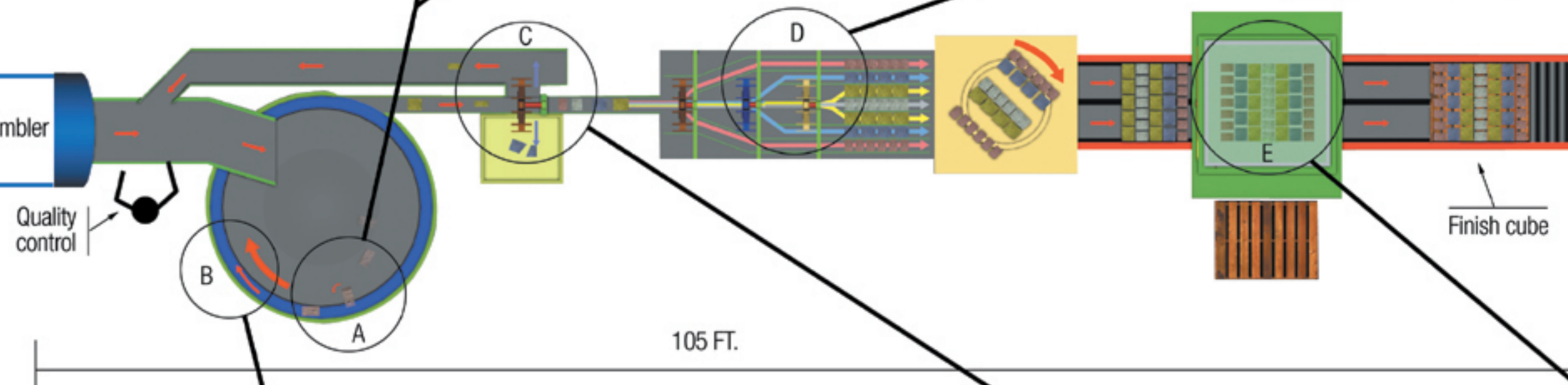
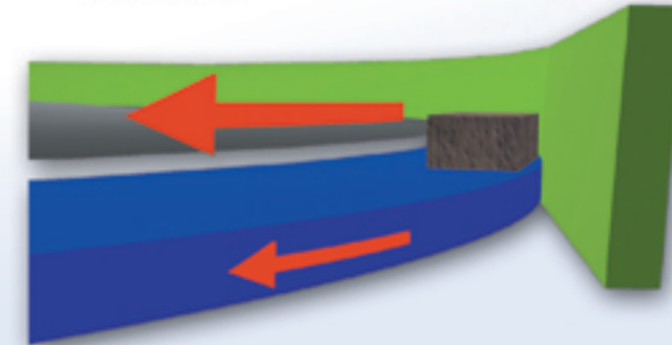


**First aligning principle:** Squidly Plus utilizes the centrifugal force of its top rotating turn table to align the pavers lengthwise in an outside slot.

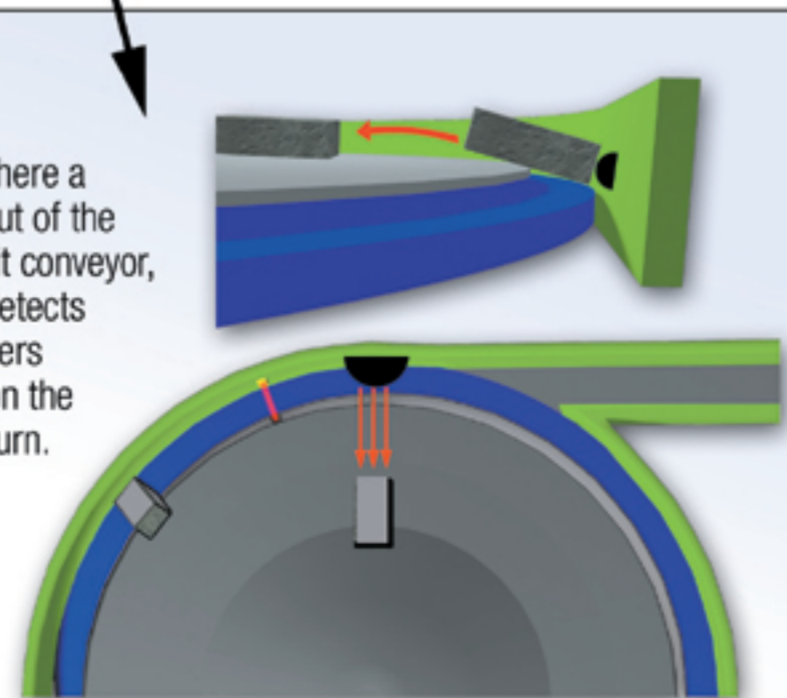


A

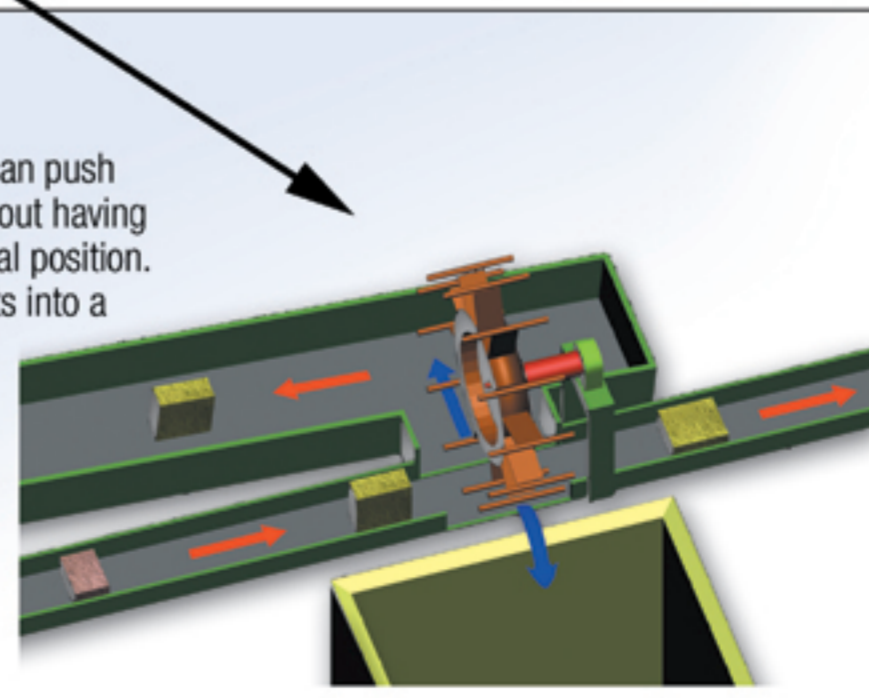
**Second aligning principle:** The outside slot bottom is an independent lower turn table rotating slower than the top table, aligning the pavers by speed differential.



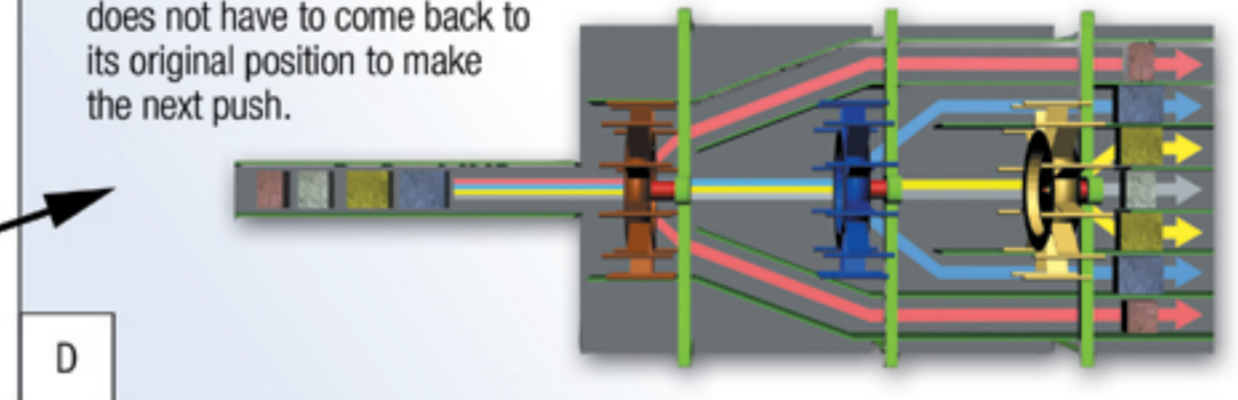
**B** In the rare case where a paver is sticking out of the slot the narrow exit conveyor, a sensor system detects the misplaced pavers and eject it back on the table for another turn.



**C** A bi-directional wheel can push pavers up or down without having to come back to its initial position. It can either push rejects into a scrap bin, or it can put misplaced pavers on a return conveyor to the turn table.

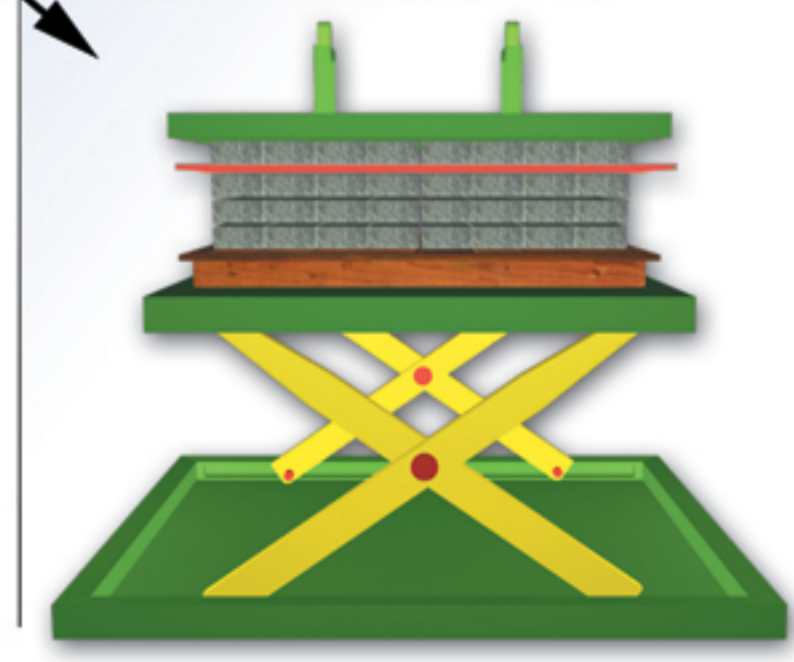


The automatic sorting system consists of a sensor that detects the length of pavers and an aluminum pusher wheel that re-directs pavers in their own row or lets them pass through. Since a wheel is used, the cycle time is half of a normal pusher since it does not have to come back to its original position to make the next push.



D

**E** The down stacking cuber consists of a scissor lift, sliding plate, and stabilization top counterweight plate arrangement. Once a layer of pavers is ready to be cubed on the sliding plate, the stabilization top plate drops on the pavers, ensuring that none are sticking out as the sliding plate is pulled out. The scissor lift goes down a layer and the next cycle is initiated.



Finish cube

## SPECIFICATIONS:



## COST & PAYBACK COMPARISON

### Turn table:

Top: 11 feet diameter with adjustable rings for different pavers widths.  
Bottom: 12 feet diameter driven slower and independently.

### Aluminum Bi-Directional wheels:

3 feet diameter, 15 inches wide bar pusher.  
Servo motor driven.

### Paver layer turntable:

6 feet diameter.

### Downstacking cuber:

Complete with pallet magazine and out conveyor.  
Incorporates a paver stabilization top deadweight plate to prevent any pavers from sticking out, therefore ensuring trouble-free operation.  
13 seconds per cycle.

### Quality control and round table feed conveyor:

30 inches x 15 feet.  
Variable speed.

CUBING SYSTEM	Men required	Hourly rate	Cost/shift	Sq.Ft/shift	Cost/Sq.Ft	Savings per shift	Number of months before breakeven
Manual	6	\$ 18	\$ 864	7200	\$ 0.12	n/a	n/a
Squidly Semi-Automatic using single length pavers	3	\$ 20	\$ 480	8000	\$ 0.06	\$ 480	7 to 10
Squidly Semi-Automatic using multi-length pavers	3	\$ 20	\$ 480	6400	\$ 0.08	\$ 288	11 to 14
Squidly Plus Automatic using single length pavers	2	\$ 20	\$ 320	16000	\$ 0.02	\$ 1,600	4 to 8
Squidly Plus Automatic using multi-length pavers	2	\$ 20	\$ 320	16000	\$ 0.02	\$ 1,600	8 to 12

The cost associated with automatic cubing of multi-length pavers **is six times less** than manual cubing and **three times less** than semi-automatic cubing.

Get the uncompromised look of tumbling without the labor involved to recube.

### Option:

To re-cube single length pavers, refer to *Squidly Plus for single length pavers brochure*.



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