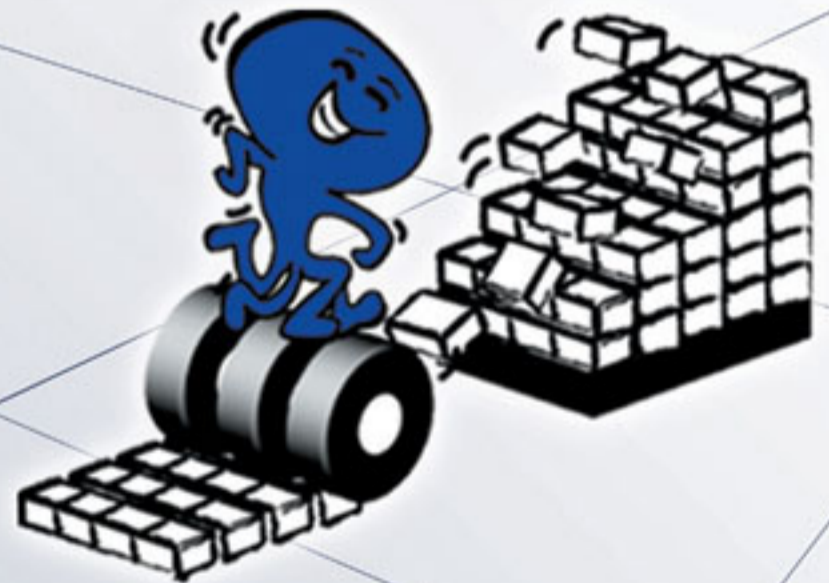
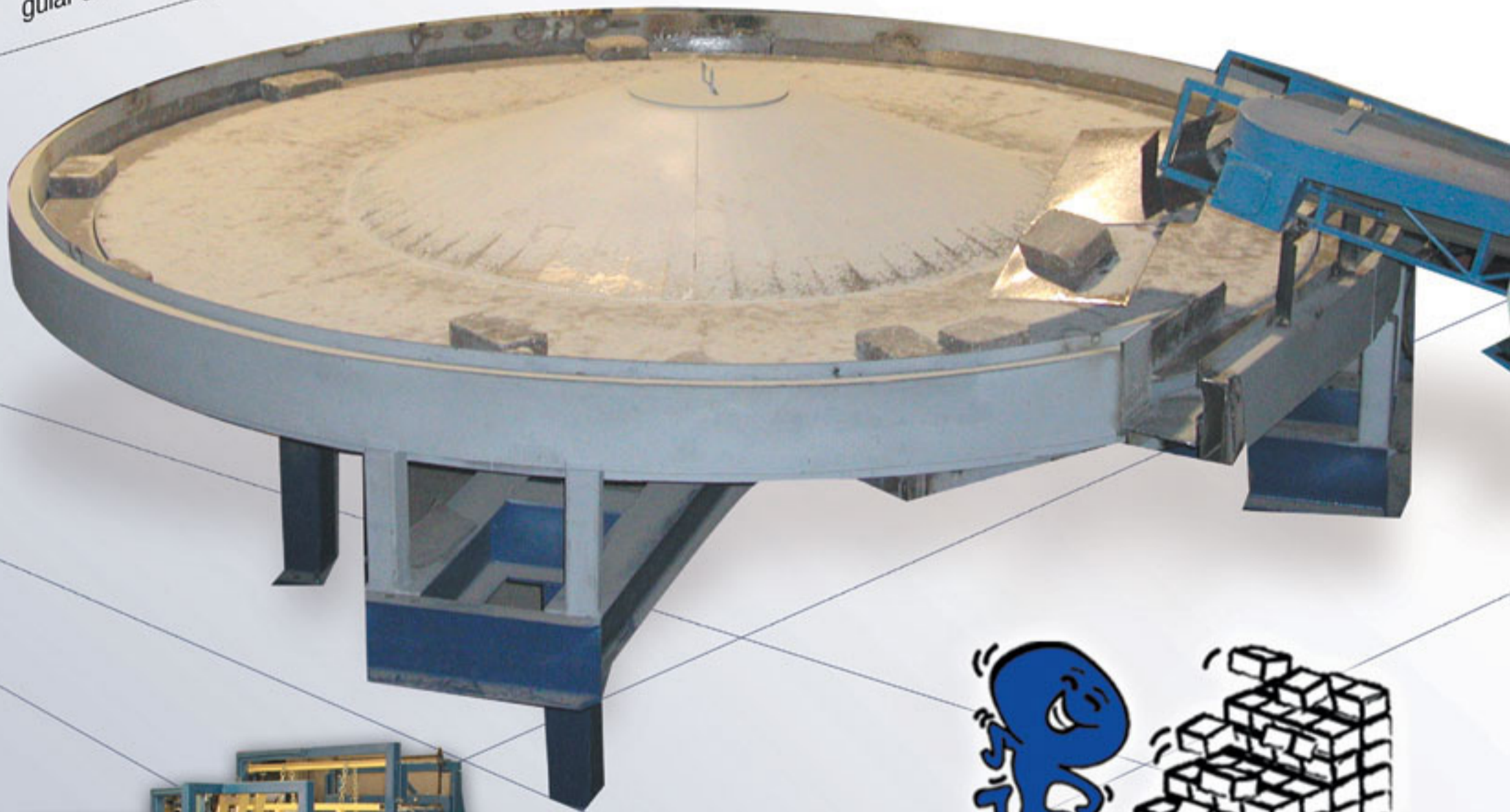


# **iD** **D.i.T.** **EQUIPMENT**

## **SQUIDLY PLUS\* SINGLE SIZE**

Automatic cubing system for  
**single size** 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 \* SINGLE SIZE

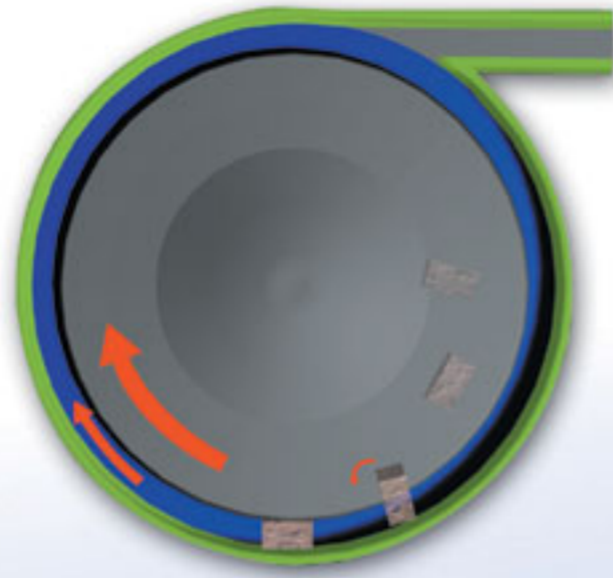
Automatic cubing system for **single size** tumbled rectangular and square pavers

**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, the pavers leave the table on a narrow conveyor and rows are pushed at 90° by an innovative system, they are then recubed on our proven down stacking cuber.

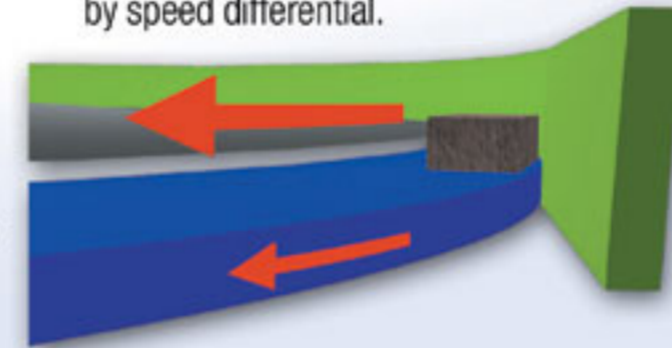


\* Patent pending

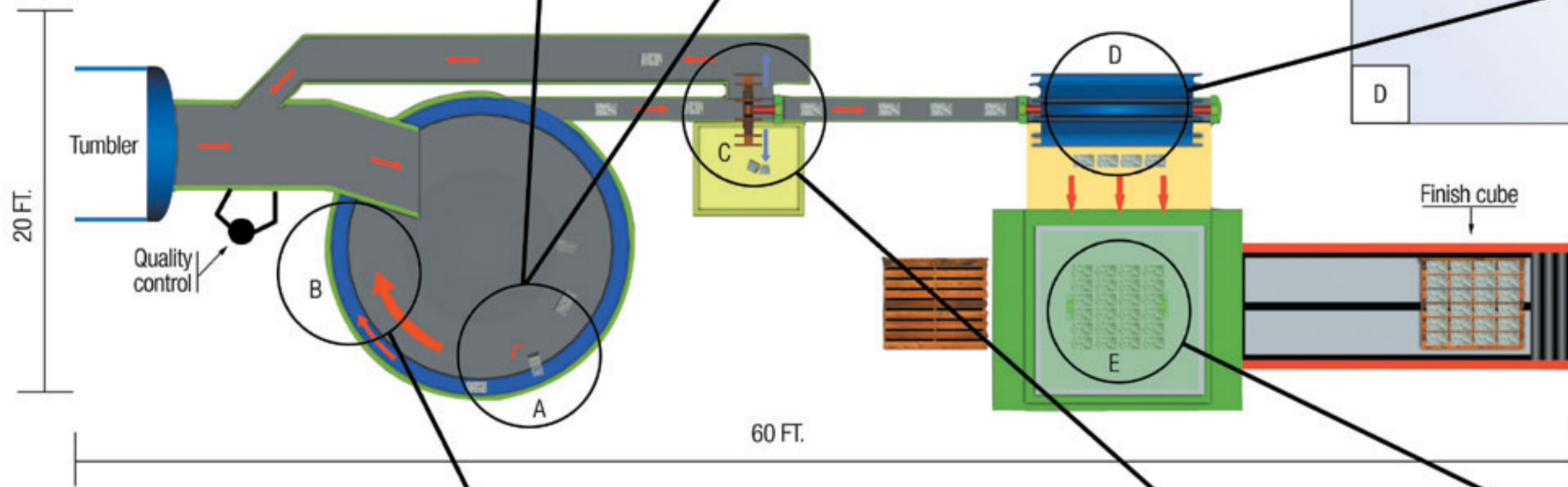
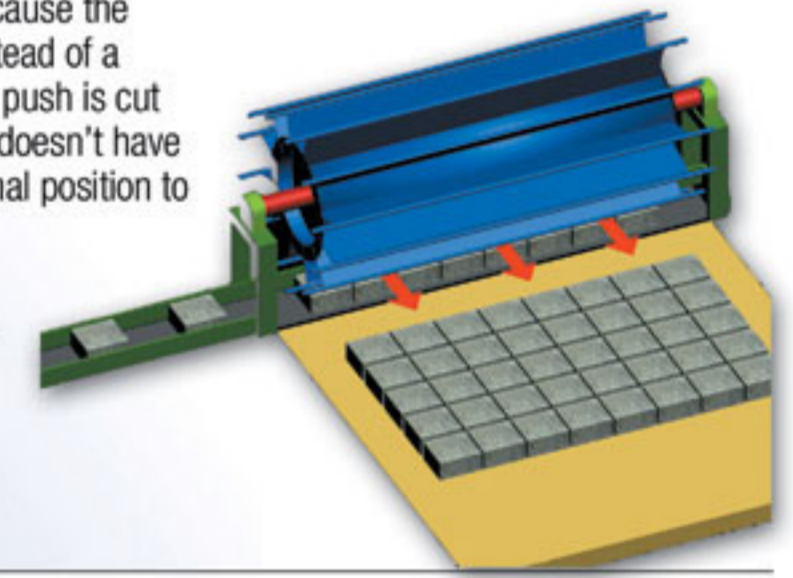
**First aligning principle:** Squidly Plus utilizes the centrifugal force of its top rotating turn table to align the pavers lengthwise in an outside slot.



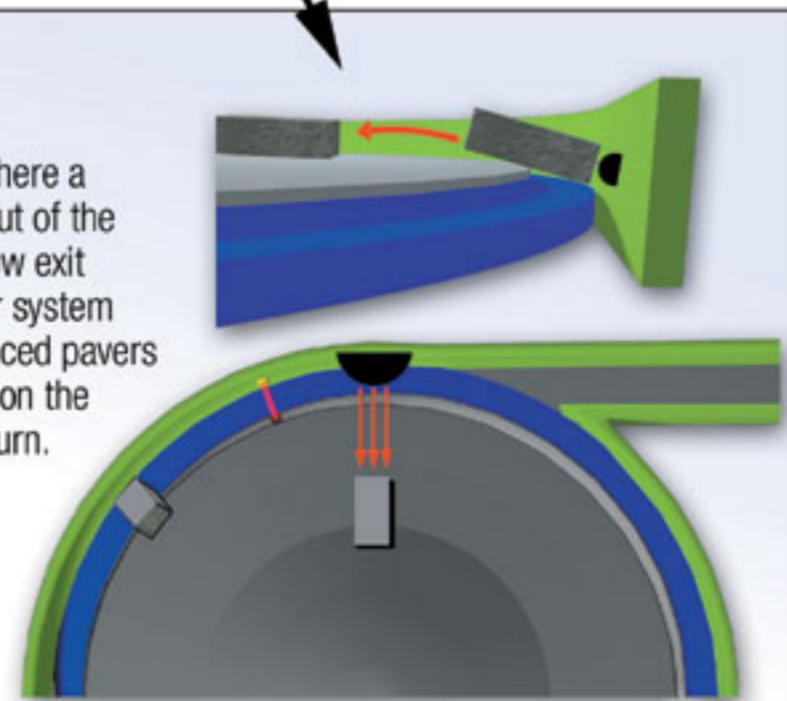
**Second aligning principle:** The outside slot bottom is an independent lower turn table rotating slower than the top table, aligning the pavers by speed differential.



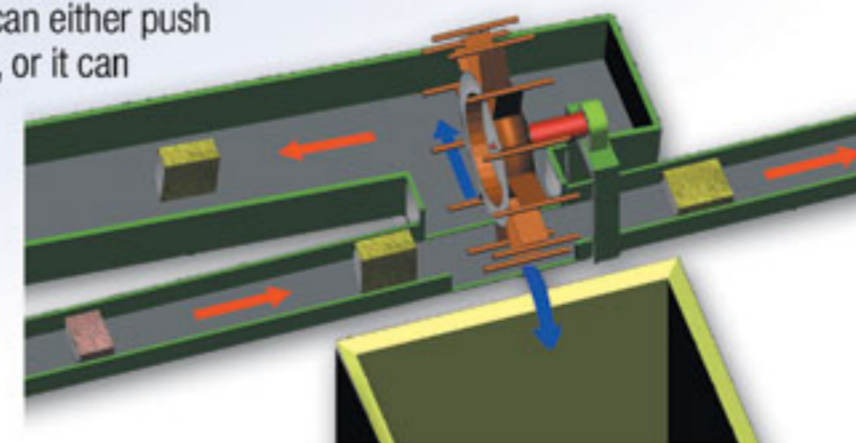
A row pusher wheel pushes pavers row by row 90° onto an accumulation table to make layers. Because the system uses a wheel instead of a pusher, the cycle time to push is cut in half, since the pusher doesn't have to come back to its original position to do the second push.



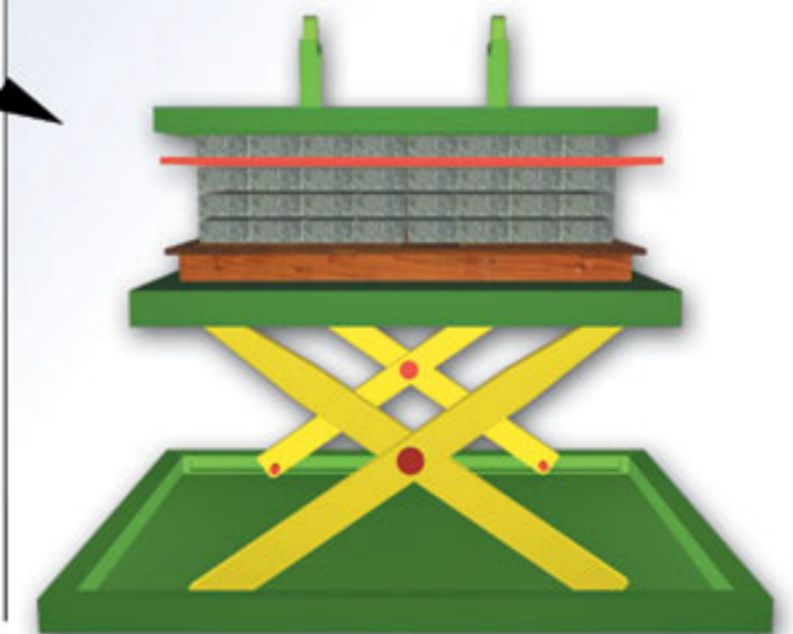
**B** In the rare case where a paver is sticking out of the slot near the narrow exit conveyor, a sensor system detects the misplaced pavers and ejects it back on the table for another turn.



**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.



**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.



## SPECIFICATIONS:



## COST & PAYBACK COMPARISON

### Turn table:

Top table: 11 feet diameter with adjustable rings for different paver width.  
Bottom table: 12 feet diameter independently driven at slower speed.

### Row pusher wheel:

48 inches wide, 36 inches diameter.  
Pushing on a receiving finger pushing station.

### Downstacking cuber:

Complete with pallet magazine and out conveyor.  
Incorporates a paver stabilization top dead weight plate to prevent any pavers from sticking out in a layer, therefore ensuring trouble-free operation.  
Cycle time: 13 seconds.

### Quality control infeed conveyor to the double tables:

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 single size pavers **is six times less** than manual cubing and **three times less** than semi-automatic cubing.

### Option:

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



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