

ROBOSCORE

DOUGH SCORING



ROBOSCORE:



ROBOSCORE® is the ultimate automated dough scoring system, utilizing a 3D laser scanner for profile measurement that identifies the position and height of the dough surface to ensure constant depth of cut. It works with cutting systems that adapt to the needs of each production, using pressurized water, ultrasonic knife, rotary cutter or regular blade.

Cutting fermented dough with fast and accurate strokes, allowing you to program straight, oblique or any other custom pattern adapted to the needs of each client.

ROBOSCORE® helps increase productivity, reaching a speed of more than 8 trays per minute, while reducing the space used for this task by up to 40%.

Eliminate product handling, reduce occupational and health risks while eliminating labor costs.

ROBOSCORE

DOUGH SCORING

SPECIFICATIONS:

- 3D Laser Scanning for position and height
- Follows the contour of dough piece along the top
- Capable of both straight, diagonal & shaped cuts
- Guarantees constant depth of cut
- Cutting systems: Pressurized water, ultrasonic knife, rotary cutter or regular blade
- Stainless steel and anodized aluminum construction
- Continuous recording of cycling performance with self-diagnostics
- PLC control choices: AB or Omron or Siemens.
- Color HMI Touchscreen, multilingual menus
- **BASE SYSTEM MEASUREMENTS:**
 - **WIDTH:** 137.12cm/53.984in
 - **LENGTH:** 161.68cm/63.65in
 - **HEIGHT:** 146.95cm/57.85in
- **ELECTRICAL SPECIFICATIONS:** 208-240 Volts / 50-60 Hz / 3-Phase
- **BASE SYSTEM WEIGHT:** 471,64Kg / 1039.8lbs

BENEFITS:

- Eliminate Labor
- Reduce workmans' comp costs
- Prevent employee litigation expenses
- Increase production. Higher run rates
- Compact. Space saving designs
- Flexible. Expandable capabilities
- Open Frame. Easy to clean & maintain
- Fast Payback. ROI of less than 18 months

MODELS:

A) Straight cuts

- 8 Trays (Boards) per minute (30" x 20.5")
- 4 Trays (Boards) per minute (760mm x 1,000mm)

B) Contour cuts, follows curvature

- 6 Trays (Boards) per minute (30" x 20.5")
- 3 Trays (Boards) per minute (760mm x 1,000mm)



Check the Video!!

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SCORING SPECIFICATIONS

SCORE SYSTEMS:

- PRESSURIZED WATER
- KNIFE
- ULTRASONIC BLADE
- Disk

TRANSPORT:

- CONVEYOR BELT
- BOARD
- TRAY
- TRAY WITH CHANNELS

TRANSPORT MEASUREMENTS:

- LENGTH: _____ mm (Inches)
- WIDTH: _____ mm (Inches)
- HEIGHT: _____ mm (Inches)

NUMBER CHANNELS ON TRAYS:

- _____

CONVEYOR BELT SPEED:

- _____ m/s (ft/s)

NUMBER OF PIECES PER TRAY:

ROBOSCORE

CUTTING SYSTEM DATA

TYPE OF DOUGH TO SCORE:

DOUGH 1.- _____

DOUGH 4.- _____

DOUGH 2.- _____

DOUGH 5.- _____

DOUGH 3.- _____

DOUGH 6.- _____

MEASUREMENTS OF THE DOUGH PIECE

DOUGH 1.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

DOUGH 2.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

DOUGH 3.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

DOUGH 4.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

DOUGH 5.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

DOUGH 6.-

HEIGHT: _____ mm (Inches)

WIDTH: _____ mm (Inches)

LENGTH: _____ mm (Inches)

SCORE TYPE:

1. STRAIGHT
2. DIAMOND
3. SQUARE
4. SPIKE

5. ROUND
6. CROSS
7. OTHER (DRAW IT): _____

DEPTH AND CUTTING TIME:

DOUGH 1.- _____

DOUGH 4.- _____

DOUGH 2.- _____

DOUGH 5.- _____

DOUGH 3.- _____

DOUGH 6.- _____