



## GREEN SUSTAINABILITY BUSINESS UNIT



Green Industry Solutions: HYC Singapore is deeply invested in advancing sustainable innovation. Through customized standard solutions, the aim is to empower the green industry, promoting energy efficiency and responsible practices at the forefront.

We are dedicated to delivering tailor-made technology solutions that precisely align with your unique business needs. Our commitment begins through consultation and needs assessment to understand your challenges, objectives, and operational requirements.

For more information contact us at : [lims@hyc.com](mailto:lims@hyc.com)

**HYC (SINGAPORE), INC. PTE. LTD.**

150 Kampong Ampat, #04-04A, KA Centre  
Singapore 368324

# SPIRAL IR OVEN – HELIOS



- 3 belt system
- High energy efficient IR heater
- 9 temperature controlled zone
- 16m x 7m of floor space
- Maximum output of 480UPM
- Variable belt speed of 30FPM, 60FPM, 105FPM
- Belt Width : 1400mm

Maximum  
Temperature  
of 230°C

Thermocouple  
Failure Sensor

Motor Current  
Detection

CE Certified  
Standard  
Component

In-Built Fire  
Prevention  
System

Heater  
Counter

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# SPIRAL IR OVEN – THEROS



- Single belt system
- Customizable heating zones (7, 9, 11)
- High energy efficient IR heater
- Temperature controlled enclosed zones
- 9.5m×6m of floor space
- Maximum output of 250UPM
- Variable belt speed with max 120FPM
- Belt Width : 660mm

Maximum  
Temperature  
of 230°C

Thermocouple  
Failure Sensor

Motor Current  
Detection

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# BACKEND AUTOMATION - NOTUS

## Optional Modular Systems



### Rapid Cooling of Products Reduce 120°C in 12s

- Forced convection cooling
- Temperature controlled enclosure
- 6.5m × 2.2m of floor space for cooling conveyor
- Maximum output of 480UPM

### Vision System

- 4 Cameras of 4 mega pixels each lane
- 10+ defect detection
- Machine learning with lesser set up time
- Able to detect more defect pattern with machine learning
- Each lane of 120UPM
- Inspect all areas of product except underneath of flange

### High Speed Product Stacking

- Gravity fall stacking of products
- Maximum output of 900UPM
- Tapping mechanism to ensure all products are nested

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