

MODTECH

Eezee2010 'S' Series



MOULDED TO PRECISION

The New Era Begins in Investment Casting Industry.

Insight 2010 - Modtech Project Methodology.

The project 'Insight 2010' was started in early 2007 by Automation division at Modtech. The design team had carried out a very in-depth and highly precisely focused research work in developing Insight 2010 parameters while designing and manufacturing Automation products.

As part of the key parameters of Insight 2010 project '**Cost Effectiveness**' was one of the most important criteria in designing any new product. Team members had carried out their research in identifying various options while designing Automation products.

Another criteria of Insight 2010 is '**Future Technology**'. Modtech design team had to design all automation products by selecting design, components and features that has to be latest trend. Modtech uses truly latest robotic technology in delivering great flexibility in the shelling process.

One of the guidelines of Insight 2010 project at Modtech is not to use any parts as custom designed / non-standard. This actually enables Modtech automation products very easy in maintenance, as all the components and spares used are easily available in the local market.

Important guideline of Insight 2010 is to design and develop all Modtech Automation products to have '**User Friendly Interface**'. As per the Insight 2010 philosophy, to use Modtech products one is not required great expertise.

With the help of latest design and technological advancement you will achieve higher accuracy, consistency and quality in coating and rainfall sanding process.

This manipulator automatically processes different wax clusters without any tiredness.



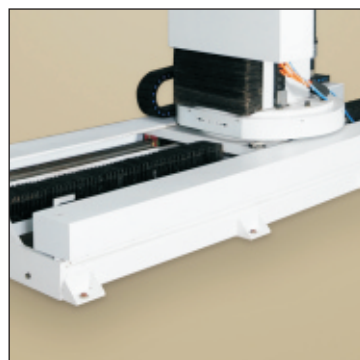
Mechanical Structure

Robust and rigid structure suitable in foundry environment.



AXIS

All five axes are servo driven which ensures smooth and noiseless operation.



Motion

The motion controller is capable of coordinating different motions and delivering precise positioning control for various layouts of slurry tanks and rain sander.



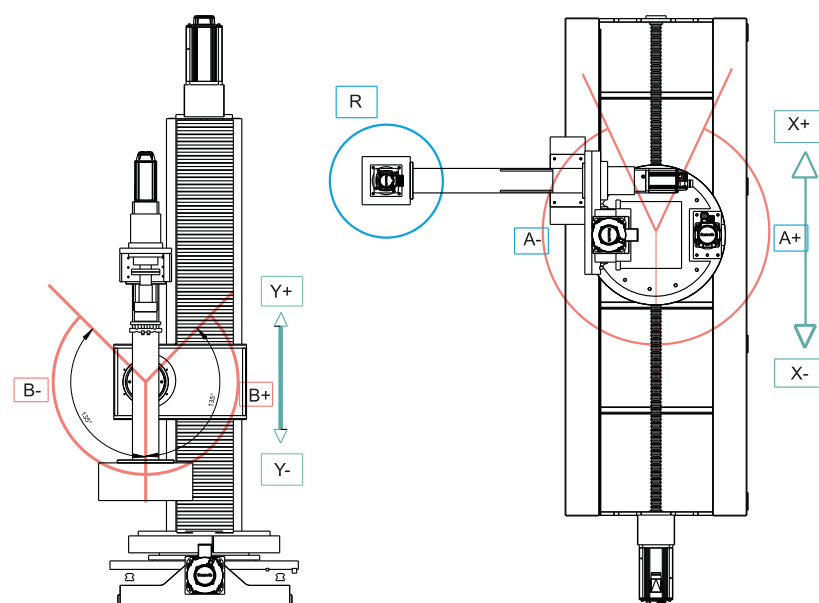
Human Interface

Mobile and ergonomically designed human interface.

Technical Specifications

| Axis | Rotary | Twist | Column rotation | Vertical Travel | Horizontal Travel |
|-----------------------|--------------|-------------|-----------------|--------------------|-------------------|
| Speed | 10 to 12 RPM | 8 to 10 RPM | 6 to 8 RPM | 350mm/sec | 350mm/sec |
| Direction | CW / CCW | CW / CCW | CW / CCW | Upward / Downwards | Forward / Reverse |
| Rotation angle/Travel | 360° | ±135° | ±155° | 1200mm | 1800mm |

AXIS MOVEMENT



Eezee2010

5 - Axis 'S' Series Manipulator for Shell Room