



**INNOVATIVE  
FOUNDRY SOLUTIONS**

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One-stop solution for all your foundry needs. We deal in all kinds of foundry equipments and foundry consumables at the best price with on-time service.

## OUR TEAM



### Rohan Narang

Education : B.E (Instrumentation & Control),  
MBA (Marketing & Operations)

Work Ex : Inel Gas Controls Pvt. Ltd.,  
Aditya Birla Retail Ltd.



### Vivek Tiwari

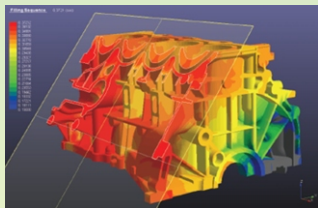
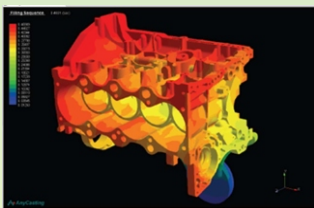
Education : B.E (Mechanical),  
M.Tech (CAD/CAM)

Work Ex : Bhagwati Spherocast Pvt. Ltd.,  
Makewell Inducto Cast Pvt. Ltd.,  
Global Clutch Industries

## OUR SERVICES

### Advanced Casting Simulation Software

- Particle Tracing
- Mould Erosion Analysis
- Multi Filter System Analysis
- Air Entrapment Defect Analysis
- Forging Simulation Interface
- Smart Running System
- Auto Report Module
- Advance Material Database
- Defect Based Analysis
- Flow Identification
- Auto Mesh Algorithm
- 3D Arbitrary Cross Section View



### Match Plate Mounting of Patterns using VMC

- Precise Mounting for Minimal Mismatch
- Faster Mounting for Reduced Lead Time

### Foundry Layout Plan

- New Foundry Setup as per the Land available
- Sand Plant Calculation
- Machine Capacity Calculation
- 3D Visualization of the Plant
- Cost Cutting by doing Optimum Planning

# OUR PRODUCTS

## Microscope with Image Analyzer



- Grain Size Measurement
- Phase Analysis Measurement
- Graphite Flake Measurement
- Nodularity Measurement

## Alumina Paste

- Reduces surface distortions
- Excellent polishing results
- Used for analytical applications where diamond polishing is not suitable



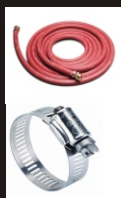
## Digital Mould Hardness Tester



- To test Hardness of prepared sand mould
- Special geometry plunger to read hardness of Green Mould from 0 to 100 Nos.

## Gates Hose Pipe & Branded Clamps

- Non-Magnetic Hose Pipe for Water Circulation in induction Furnace
- Branded Metal Clamps for Optimum Safety and no Leakage



## Chemicals & Glassware



- Laboratory Glassware
- Volumetric Glassware
- Chemicals for Foundry Laboratory

# OUR PRODUCTS

## Portable Hardness Tester



- Suitable for Heavy, Big or Outdoor Metal parts
- Accurate on curved test surfaces
- Operates through touch screen
- Small, Light & Easy to use

## Remote Digital Display for Spectrometer

- Connects to any make of spectrometer.
- Zero Maintenance
- Audio alert of new data
- Green colour depicts set limit elements & Red colour depicts out of set limit elements.

Plant	Shift	Furnace	Melt	Status
1	2	3	45	6A2H
C	0062	08:17	0922	0200
Si	0034	0028	0035	0009
Cu	0034	0028	0035	0009
Al	0034	0028	0035	0009
Cr	0034	0028	0035	0009
Mo	0034	0028	0035	0009
Ni	0034	0028	0035	0009
Ti	0034	0028	0035	0009
Sn	0034	0028	0035	0009
Mg	0034	0028	0035	0009
CE	0034	0028	0035	0009

## CE Analyzer

- On line determination of CE, % C, % Si
- Accuracy & precision in measurement using 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> derivatives
- Comparison of Current cooling curve v/s Reference cooling curve
- Analysis for 21 different types of Iron



## Immersion Temp Pyrometer

- Plateau detection technique for accurate temp measurement
- Displays result in 3 - 8 seconds
- Display size of 4"
- Measures temp of Molten Steel, Cast Iron, Copper, Brass, Bronze, Aluminium
- Accuracy  $\pm 1^{\circ}$  Celsius/Fahrenheit



## Carbon Cups

- Available in round & square shape
- Can be used with any make of CE meter.
- Guaranteed white iron solidification
- Cup available in small, medium & large size.



## OUR PRODUCTS

### Spectrometer Polishing Grinder



- Machine to suit the disc housing and to cover the disc plate by 300 degrees for safety.
- Easy-to-use control panel with quick access to power on/off
- Emergency stop button
- 2800 RPM Standard Motor

### CRM for Spectrometer

- CRM for Spectrometer available in Disc / Blocks / Chips / Powder / Pins Form.
- Standard samples available for Ferrous, Non-ferrous & Ferro alloys.



### Emery Paper



- In the form of a sheet, usually 9 by 11 inches (280x230 mm)
- Available in circular form 350mm by 40 mm bore
- Grit - 36, 60, 80

### Spectro Sample Holder

- Mechanical Sample Holder.
- Magnetic Sample Holder.
- Mould for Spectro chill.



For information regarding other products kindly contact us

# WE REPRESENT

**V-Smart**

[www.vsmartindia.com](http://www.vsmartindia.com)

V-Smart is a leading innovator in the field of metallurgical analytical equipments and sensors in India since 1997. They specialize in providing end-to-end measurement solutions for metal producing & processing industry.

**EVERSATILE**

Versatile Equipments has been in the field of manufacturing of foundry Sand Testing equipments since 1966. The company is involved in the research, designing & manufacturing of Foundry Sand Testing Equipment.



S.R. Technologies is a fast emerging business involved in development of Image Analyzer software for metallurgical needs. They have installed this software in many reputed firms across India.



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