


1.	Title of Product/Design/Equipment	EYE-ON-PELLET : Online Pellet Size Analyzer for Pelletization Industries
2.	IPR Status Patent/Copyright/Trademark secured in Indian/Abroad IPR Details	Patent filled in India
3.	Application/Uses	<p>Industrial Use: The instrument (EYE-ON-PELLET) is an aid to pelletization industries. Pelletization industries use disc pelletizers to produce pellets of different sizes. However, there is a need of producing pellets of a desired size range, such as 8-18 mm. There is also a need to produce higher percentage pellets in a particular sub size range, such as among 8-18 mm, may be 70% in the range of 8-12 mm (customer requirement).</p> <p>Present status: Currently, the productivity of a pelletization plant depends mostly on an experienced supervisor/operator who has to keep eye on multiple disc pelletizers at a time. This leads to sub-optimal performance.</p> <p>Use of Eye-on-Pellet</p> <p><i>Non-invasive method of size analysis</i></p> <ul style="list-style-type: none"> à Can be fitted without disturbing operation à Quick installation time <p><i>The size distribution data recording and transmission</i></p> <ul style="list-style-type: none"> à Locally displayed (for onsite operator) à Transmitted and stored (for control room) à Post Analysis Report day wise or hour wise (higher officials or R&D team) <p><i>Helps for timely control of RPM/water/feed-rate.</i></p> <p><i>Helps in parameter optimization for a new type ore.</i></p> <p><i>Reduces the recycling load & enhances plant productivity.</i></p>
4.	Salient Technical Features including Competing Features	<p>Typical specifications*</p> <p>Accuracy ~1mm</p> <p>Standard Processing Speed: 100 to 300 ms</p> <p>Coverage ~0.25-1 sq m</p> <p>* can be customized based on requirement</p> <p>Competing Features:</p> <ul style="list-style-type: none"> Ø Non-invasive and cost effective method of size analysis Ø Quick installation time Ø Can be used in existing and new plants Ø Indigenously designed and developed and hence customizable and better after sales service support Ø Well tested in most of the leading pelletization plant in India <p>Optional Features</p> <ul style="list-style-type: none"> • LAN interface • 4-20 mA interface

		<p>Model variation:</p> <ul style="list-style-type: none"> • Single camera based system for single disc • Multiple camera based system for multiple discs • Handheld portable system for instant monitoring • System for offline monitoring for laboratory by manual sampling
5.	Level/Scale of Development	Industrial Scale
6.	Environmental Considerations	No effect on environment by use of this equipment
7.	Status of Commercialization	<p>CSIR- IMMT has already transferred the technology to SVNT Infotech Pvt. Ltd.</p> <p>Item is available in Market</p> <p>Marketed by: SVNT Infotech Pvt Limited #8/10/8A, Ravindra Nagar Colony, Habsiguda, Hyderabad Telephone: +91 4027153387 Mobile: +91- 879029 8130 Email: srd@svntech.com. Visit us: www.svntech.com</p>
8.	Major Raw Materials to be Utilized	NIL
9.	Major Plant Equipment and Machinery Required	NA
10.	Techno-Economics	NA
11.	Technology Package	Packaged
12.	Contact Details	<p>Er. Santosh Kumar Behera Process Modeling & Instrumentation Dept. CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, India santoshbehera78@gmail.com, skbehera@immt.res.in Mob: 9438182457</p>
13.	Photograph	 <p>Eye On Pellet</p>