We are handling package of technology

J-TEC, Inc.
Kanda Miyoshi BLDG. 3F, 31-1,
Higashimatsushitacho, Kanda Chiyoda-Ku,
Tokyo, 101-0042, Japan

COMPANY PROFILE

Establishment	April 20, 1989 (Founded by Hiroshi Kato)	
Capital	Yen 34,000,000	
Directors	Kenji Ishimoto	-President
	Mikio Imokawa	-Director
	Sanae Kato	-Director
	Toshiichi Furukawa	-Director
	Toru Degawa	-Director
	Nobuyuki Kato	-Auditor
Stockholders	Sanae Kato	
	Kenji Ishimoto	
	Union Carbon	
	Others	
Bankers	Mizuho Bank	
	Risona Bank	
	Asahi Shinkin Bank	

HISTORY of J-TEC. Inc.

1989	-Establishment at place of Kanda Kitanorimonocho
	-Distributorship for AMEPA
1995	-Sales consultant for INTERSTOP (overseas)
1996	-Agency for INTERSTOP (domestic)
1997	-Increase of capital to Yen34,000,000
1998	-Investment in SANGHO MULSAN (Korea)
1999	-A member of Tokyo Chamber of Commerce and Industry
2003	-Sales of AMEPA/F.BLOCK products in Japan
2006	-Office relocation to Kanda Higashimatushitacho 31-1
2008	-Agency of ARCK SENSOR
2010	-Agency of RHI GLAS
2010	-Agency of SENSOLUTE
2011	-Agency of PROCESS METRIX
2013	-Agency of HORN GLASS
2014	-Collaboration with Lismontagens(Port.)
2016	-Agency of KFS(UK)
2017	-Agency of RHI-Magnesita (RHI and Magnesita merged)
2018	-Agency of REFEL(Italy)

BUSINESS ACTIVITIES

1. Import Sales for iron & steel industry

- -Electromagnetic Slag Detectoin (ESD, AMEPA)
- -Thermographic Slag Detection (TSD, AMEPA)
- -Capacitive Flow Meter (CFM, AMEPA)
- -Oil Film Measurement (OFM,AMEPA)
- -Surface Roughness Measurement (SRM, AMEPA)
- -Slide Gate (INTERSTOP, Stopinc)
- -Pin Hole Detector (CHEPHEE, Arck Sensor)
- -Position Sensor & Infrared Beacon for Crane (SIRRAH, BMU, Arck Sensor)
- -Refractory Materials for the Glass Industry (RHI Glas)
- -Micro Vibration Sensor (Sensolute)
- -Laser Contouing System (Process Metrix)

2. Export Sales

- -Carbon & Graphite materials
- -Machineries
- -Induction furnace
- -Steel making equipments
- -Spare parts for steel industry
- -Others

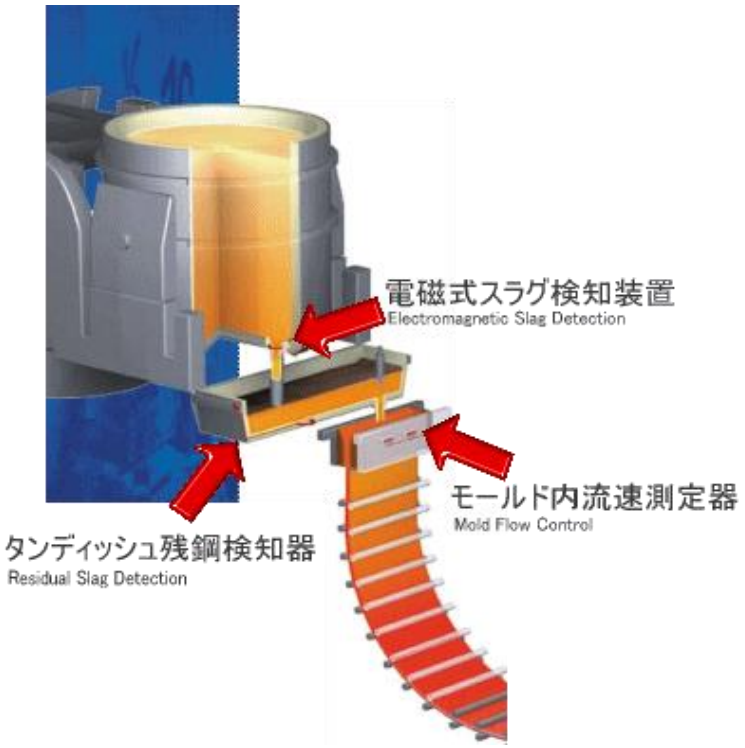
3. Technical Service & Consulting

4. Slide Gate Systems for overseas (INTERSTOP)

AMEPA（Germany）

ESD：Electromagnetic Slag Detection

If steel of high quality has to be produced, the most important prerequisite is a slag-free pouring of steel. AMEPA is the worldwide market leader with its electromagnetic slag detection system ESD for ladles with more than 2000 vessels equipped with sensors.



AMEPA（Germany）

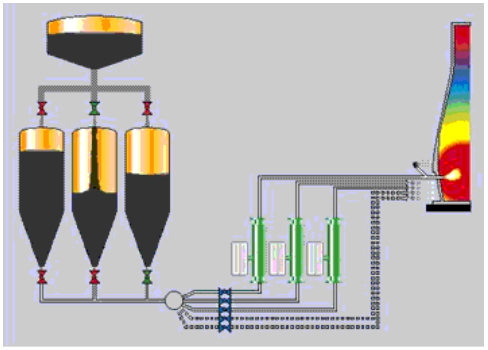
TSD : Thermographic Slag Detection

Since 1999, a new Thermographic Slag Detection system **TSD** is being operated successfully at converters. Here, the different emissivity of steel and slag is being analysed in the infrared range. This system does not need any sensors at or in the converter.

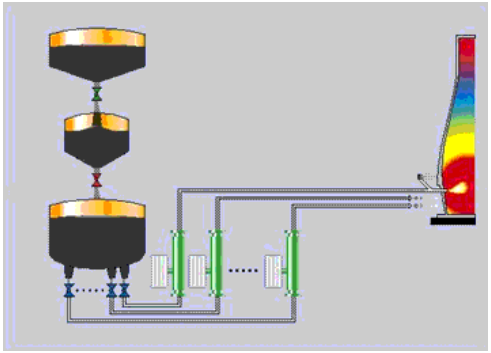
AMEPA（Germany）

CFM : Capacitive Flow Meter

Pulverized Coal Injection (PCI) systems should assure small line-to-line deviations in order to maintain a ‘healthy furnace’. Reality is often different; consequently optimal injection rates are not reached. The CFM flow meters are the first step towards optimal injection rates: measure the flow, control it, increase it to the optimum.



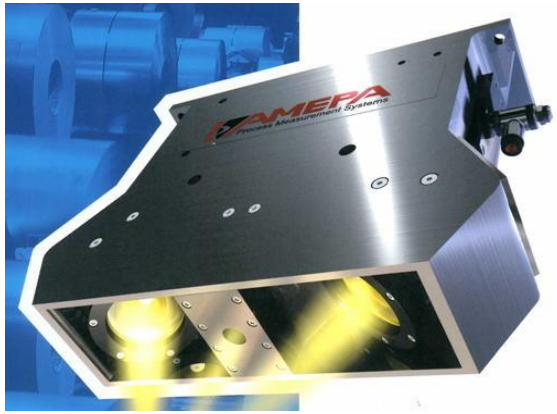
PCI plant with cycling injection hoppers & distributor



PCI plant with locking chamber & single distributor hopper

AMEPA（Germany）

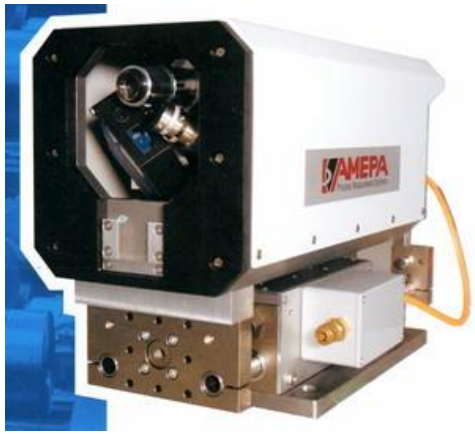
OFM: Online Oil Film Measurement



Improper oil film layer distribution or even dry stripes on a metal strip creates problems in the forming process. Therefore an online measuring system is needed for the supervision. The AMEPA OFM system is the first system enabling online oil film measurement and automatic classification of the strip.

AMEPA（Germany）

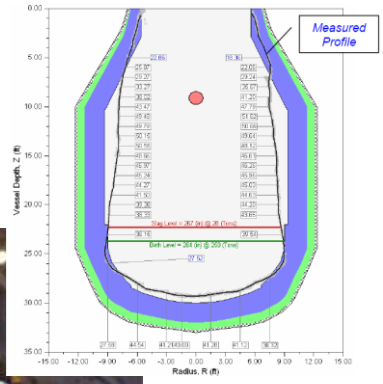
SRM: Online Surface Roughness Measurement

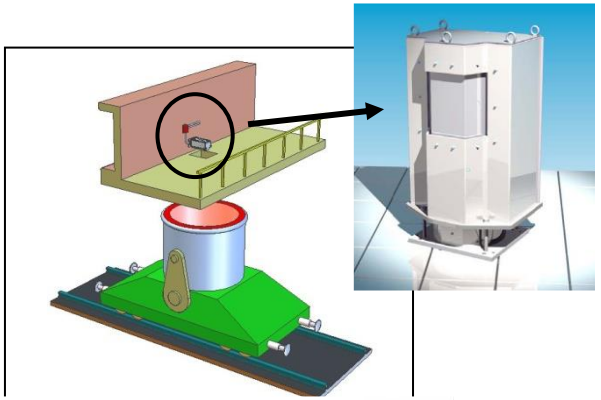


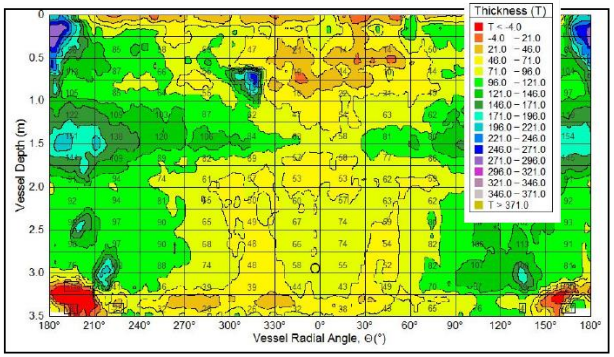
Surface roughness of cold rolled sheets is an important parameter for the finishing process. Up to now, online roughness measurement was only possible with systems measuring in rolling direction. AMEPA developed a new optical system enabling a measurement under 45° or 90° - as stipulated by SEP 1940 and DIN EN ISO 4287/4288 - for all kinds of textures.

PROCESS METRIX（USA)

LCS: Laser Contouring System







Features

【Mobile Cart Type】

1.The patented laser tracking system automatically locates cart position for each setup using three reflectors.
2.Fast range measurement head (8,000 samples/second) Fast data analysis (1-3s)
3.Measurement time : 6 min. 4-5 scans

【Fixed Head Type】

1. Three ways to determine ladle position.
   -Ladle lip ring, tags, ladle stand
2. Fast range measurement head (8,000 samples/second) Fast data analysis (1-3s)
3. Water-cooled measurement head, pneumatically actuated door for high heat load

Arck Sensor (France)
Pin Hole Detector

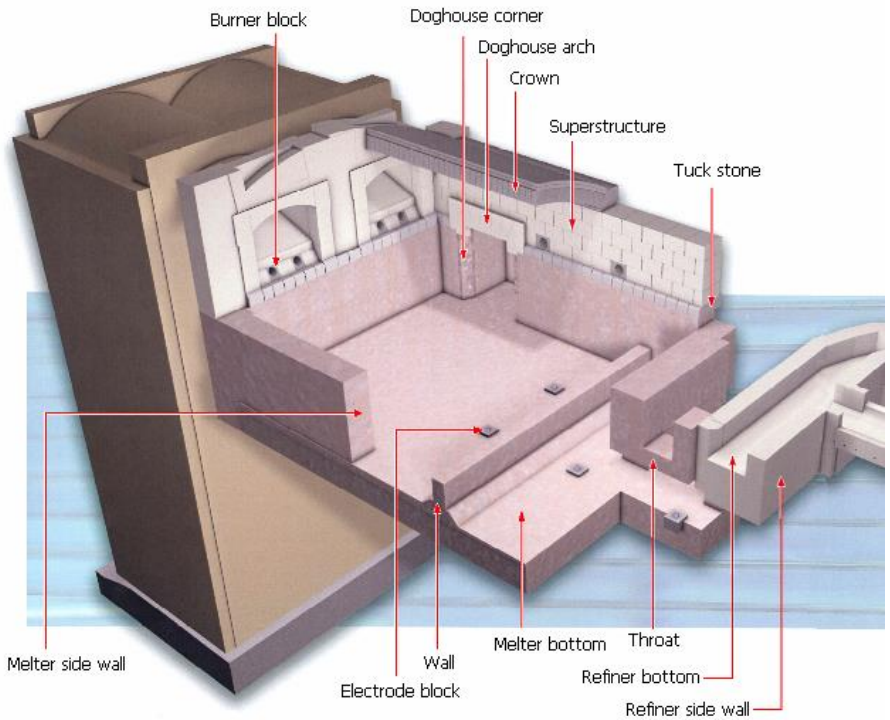
The stretching process of the sheet metal can induce a lack of homogeneity of the metal structure and form pin-holes.The most critical defects are very small holes called “pin hole” existing on strip dedicated to food and liquid packaging. These holes can not be detected visually.In order to detect those defects, we propose an automatic detector using the “dark room” principle.
Please refer to our sensor solution named "**Pinhole detection**" for the description of working principles

Arck Sensor (France)
Position Sensor & Infrared Beacon for Crane

Products of SIRRAH range enable measurement of sway of the container during its handling with a Ship-to-Shore crane.Sway movement measurement is made by a SIRRAH sensor which evaluates angles of a beacon located on the spreader. SI19 SIRRAH sensor positioned downwards, is vertically situated in the trolley and the beacon is located upwards on the spreader. An associated computer or PLC (not provided) can regulate the swaying movement

RHI GLAS GmbH (Germany)

Refractory Materials for the Glass Industry



Glass tank refractories

Features

1. In the growing glass market, RHI is the world's largest refractory supplier.
2. RHI GLAS is independent of the glass industry.
   We concentrate the glass refractory materials.
3. RHI GLAS provides a full line product portfolio for the glass industry, such as
   Fused-Cast, α/β-Alumina, Fused-Silica, Magnesia, Magnesia-Chrome, Chrome-corundum,
4. As a partner to the glass industry, RHI GLAS develops and implements complete solutions in close cooperation with our customers.
   - Lining recommendations; Design in Lining; Heat/loss and regenerator calculations; Complete material solution; Fast support in emergency cases

Product portfolio

1. Melter side wall/bottom	MONOFRAX CS-5, REFEL1240CR
2. Crown	STELLA GNL, STELLA GGS
3. Superstructure	MONOFRAX CS-3, REFEL 1334S
4. Throat	REFEL 1240FVS, MONFRAX CS-5
5. Refiner side wall/bottom	MONOFRAX M, REFEL 1532 FVP
6. Regenerator	RADEX VZ, RADEX VS
7. Hot-Repair materials	DURITAL AZ58P, DURITAL RK30NP