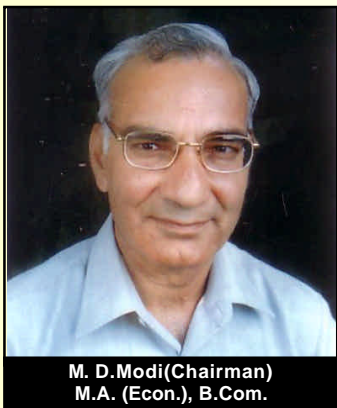


Message from Chairman



M. D. Modi (Chairman)
M.A. (Econ.), B.Com.

I recall the year 1967 when I started thermal spray (at that time metallizing) business by establishing this company as a small job shop of repair & rebuilding. That time this technology was totally Black Art but I put myself completely to know this technology with the principal "workisworship" and in result soon we set up an assembly of complete system using imported Metal Spray Gun.

That day was the first mile stone in the history of MEC and thereafter, MEC never moved back.

In 1970, I went to Paris to attend 7th International Thermal Spray Conference. There, I met Mr. W. E. Ballard, the founder of Metallisation Ltd., UK and a great author on Metal Spray Technology. He inspired me. He was 70 years and I was 27.

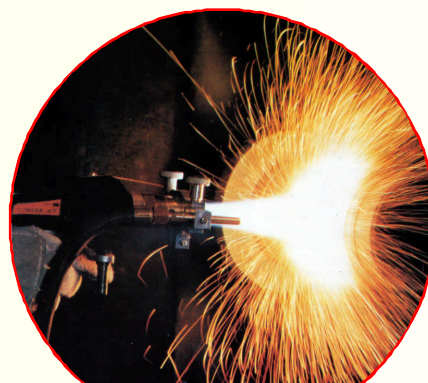
Starting with only four employees, now MEC is having a full fledged in-house latest manufacturing facility at Jodhpur and Regional Offices at Mumbai, New Delhi, Bangalore, Hyderabad with work force of over 125 people. The export constitutes 40% of total market with the help of Global Network.

With the flow of technology development, Thermal spraying has also turned from black art to an advance modern science in last 15 years. Thanks to ability of my brother Mr. Suresh and his son Mr. Ankur to catch this growth & set up in-house R&D division, today MEC is known as the leading manufacturer world over and the largest in India.

I wish continued progress in technology as well as service to the industries with your valuable support.

ANNOUNCEMENT

MEC PLEASD TO ANNOUNCE A TWO DAYS WORKSHOP ON THERMAL SPRAYING APPLICATIONS IN AERONAUTICAL, TEXTILE, AUTOMOBILE AND HYDRO & THERMAL POWER PLANT USING PLASMA, HVOF, & ARC SPRAY PROCESSES



WTS 2008

2ND - 3RD MAY, 2008

Vanue : PESIT - Bangalore

LIMITED SEATS. REGISTER YOURSELF SOON

LAST DATE
APRIL 15, 2008

for more details, contact

Dr. C. S. Ramesh,
Convener (WTS 2008)
csr_gce@yahoo.co.in
Mobile : 09880904891

OBITUARY



Mr. S. S. Gehlot

We are deeply grieved to inform about passing away of Mr. S. S. Gehlot on 31st Jan, 2008. Mr. Gehlot joined MEC Group in 1985 as Service Engineer and worked with us for past 22 years. Before joining us, he worked in Indian Air force. With military tradition, he had the qualities of discipline, dedication & determination. He retired from our organization as General Manager (Marketing) in June 2007. He is survived by his wife, one son & one daughter. We pay our respectable homage & pray God Bless him with eternal peace in Heaven. We express our heart-full condolence to all members of Mr. Gehlot's family at this hour of sorrow. His qualities will always inspire us. We missed him a lot.

- All members of MEC Group

Coating improves surface wear on ball & gate valves



In recent years, many industrial processes involving the use of valves have become more demanding in terms of temperature, pressure, environmental working conditions and economic demands (cost reductions).

New wear and corrosion resistant coatings have been developed and made it possible to increase the working envelope of valves, and operate fail free under the most extreme conditions, while economic have been improved.

An innovation from MEC which introduces a new surface coated ball and gate valves used in the petrochemical industry, will set new standards of wear resistance and reliability.

Surface engineering developed at MEC has produced a hard coating solution of ball and gate valves for METAL TO METAL (MTM) seals, as typically used in the oil and petrochemical industries and for power generation and marine applications.

The MTM technology applies a HVOF (Gas and Liquid Fuel) thermal spray coating to the metal substrate of the valve components which are then diamond ground and polished to a super-finish for a very intimate surface and tight fit between components.

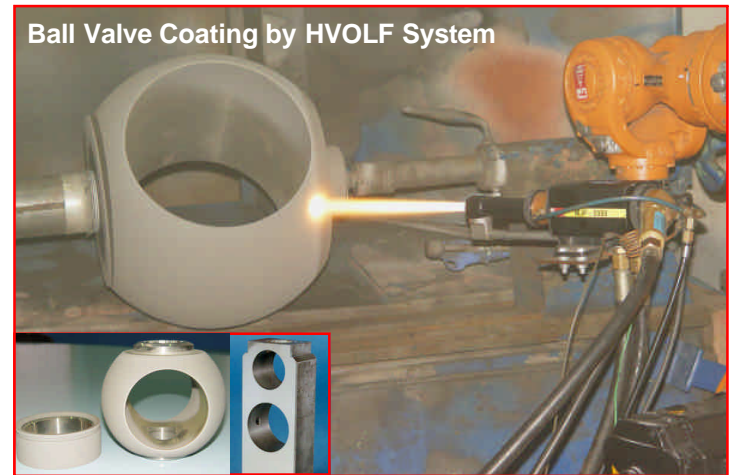
This gives a very smooth wear-resistant and abrasion-resistant surface, able to withstand the highly abrasive and corrosive fluids which flow through the valves at extreme pressures, and at temperature greater than 600 deg.C.

The new MTM technology gives valves a perfect fit under differential pressure and in both flow directions even when handling solids; there is no jamming; low friction levels ensure smooth control and low torque allows smaller actuators to be used. The new coatings thus considerably provide prolong life and improve performance under aggressive environments and extreme working conditions.

The performance and reliability improvements will benefit the oil, petrochemical, power and marine industries in many ways.

The risk of lost revenue if components fail is minimized and the fire-safe feature of the technology are a crucial advantage of health and safety.

MEC has high expertise and a long track record in surface coating technology with many approvals to OEM and users standards.

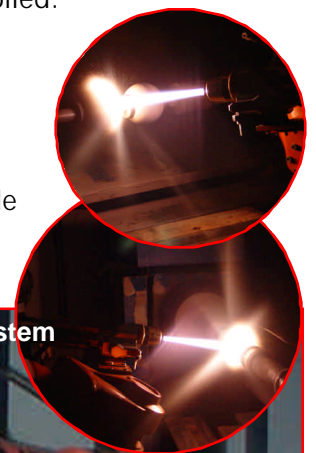
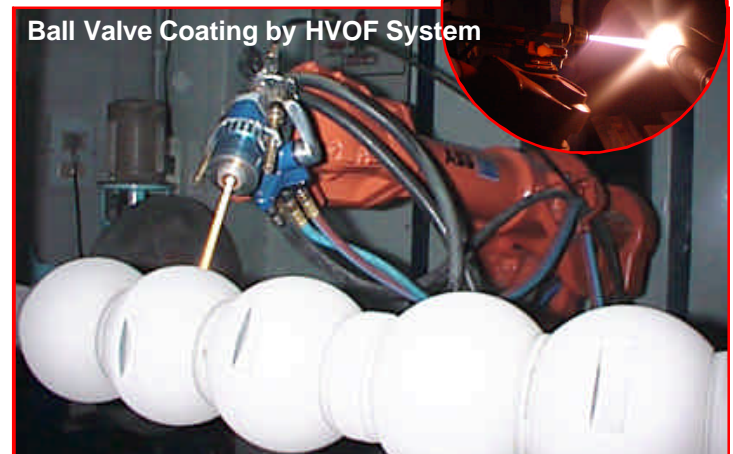


Against this background, MEC is able to operate in several ways to offer this new technology. The company can provide the complete service of applying coating and finishing technologies for customers.

Recently, MEC has supplied a Turn Key Project of Ball Valve Coating System to a Japanese Ball Valve manufacturer. The system is fully automatic and controlled.

The project has:

- Surface Preparation Unit
- Acoustic Chamber
- Job Holding & Rotation Device
- 6 Axis Robot with Tilting Turn Table
- High Velocity Liquid Fuel Powder Spray System.



MEC own New Generation Plasma Spray Facility

-: Supplied by Flame Spray Technologies bv, The Netherlands

- ❖ Mass Flow controlled primary, secondary & carrier gases.
- ❖ New Generation Powder Feeder; capable of feeding fine powders also.
- ❖ More efficient Power Source with Chopper Technology.
- ❖ Touch Screen Controls with recipes storage system.
- ❖ Suits all standard Plasma Guns such as 7MB, 9MB, F4, F7 and SG-100.
- ❖ Operator's screen provides continuous display of critical process parameters in two forms, digitally and as bargraph.

MEC has recently installed a new MASS FLOW CONTROLLED PLASMA SPRAY SYSTEM; Model : AP-50. The installation has been interfaced with a 6-axis KUKA ROBOT.

The improved target efficiency of this Plasma Spray System, in combination with the precise manipulation characteristics of the robot, opens up a complete new segment of parts that can be processed.

Complicated parts geometries (such as those created on the gas wash surface of Turbine Blades) can now be coated with a uniform deposit thickness with a minimum of waste.

This produces a part which conforms to the tightest of customer specifications. It also meets pollution control and all safety standards.



The AP-50 PLASMA SYSTEM offers the possibility to operate different plasma guns providing maximum operational and coating flexibility. By selecting the desired Plasma Gun, the AP-50 automatically sets the ignition values and operating limits.

The versatile, but easy to operate control system combined with the benefits of advanced closed loop mass flow control technology, ensure high coating quality, coating consistency and repeatability of the process parameters. The AP-50 System is capable of storing up to 100 spraying recipes.

This Facility can produce following coatings:

- Combustion Liner (Thermal Barrier Coating)
- Flow Path Liner (Thermal Barrier Coating)
- Thread Guides (Wear Resistance Coating)
- Turbine & Compressor Rotor Blade (Fretting Wear Resistance Coating)
- High Temperature Thermocouple (Wear Resistance Coating)

Such systems are installed in GE Power System, MJB Chromaloy, Rolls-Royce, Siemens Turbo Care, H.C. Starck, Voith Paper, MTU Aero Engine, & many more.

MEC having collaboration with following companies have achieved unsurpassing strength which will continue to grow:

- FST, The Netherlands (System manufacturer)
- H.C. Starck GmbH, Germany (Powder manufacturer)
- Kuka Roboter, Germany (Robot manufacturer)
- Osier Ltd., Finland (Online diagnostic equipment)
- Metallisation Ltd., U.K. (System manufacturer)

THE AP-50 PLASMA SYSTEM IS AVAILABLE FOR DEMONSTRATION & SALE

MEC update their manufacturing facility

MEC is pleased to announce that recently a 5 AXIS VMC SYSTEM has been included in MANUFACTURING FACILITY for hi-tech precision work.



The new 5 Axis Vertical Machining Centre redefines precision machining standards.

The rigid structure, small foot print, and precise spindle ensure sustained high quality performance.

The high speed and feed rate fulfill the criteria necessary for cost effective machining.

Rugged structure of high quality, stress relieved casting and the thermosymmetrically arranged LM guide ways for chatter free precision machining under extreme working condition.

High quality balanced spindle on large precision bearings eliminates vibration and offers accurate machining under heavy load.

The army type tool magazine uses variable pocket coding.

Linear motion guide ways, variable speed AC spindle drives, CNC system with digital drive are some outstanding features of this machine centre.



MEC introduce a new Arc Spray Gun; Model : 96, upgraded version of Model : 95. The new gun has an air cooling system to keep air cap, nozzle positioner, and spray head cool, thus preventing overheating at high amperes. MEC has applied PATENT for new device.

HIGH PRODUCTION ARC SPRAY SYSTEM

It is ARCJET - 96/600, a new Arc spray System with 600 amps power source. It sprays about 60 Kg/hr of zinc, 11 Kg per hour of aluminium wire and 15 Kg/hr of steel wire. MEC range for Arc Spray now has Three Systems:

ARCJET-96/200 (for thin and economical coating)
 ARCJET-96/400 (job shopper's best choice)
 ARCJET-96/600 (for high production output)

In all above systems, the Control Console is integral part of Power Source with ergonomically placed controls & displays. Ask us for new literature of ARCJET-96 TWIN WIRE ARC SPRAY SYSTEM.



NEW PRODUCT



METALLIZING EQUIPMENT CO. PVT. LTD.

E-101, M.I.A., Phase-II, Basni, Jodhpur-342005 (India)

Ph. : +91 291 2747601 Fax : 2746359

E-Mail : mecpl@sancharnet.in / mecpl@vsnl.com

Web : www.mecpl.com

Delhi
 09312890541
mecply@ndf.vsnl.net.in

Mumbai
 022-24934370
mecbby@bom5.vsnl.net.in

Bangalore
 09343861755
mecpl.bgl@gmail.com

Secunderabad
 040-27813760
mecsec@satyam.net.in