Welcome To COINDIA...

We enable people to meet each other, businesses to find new markets and everyone to fulfill their potential. One of the successful clusters in India, COINDIA executes various projects across Coimbatore, in state-of-the-art centres that are professionally managed.

Our customers enjoy the latest technologies with extensive overall manufacturing capabilities in the best Industrial Infrastructure.

Discover all we have to offer...

Product Die & Mould Centre  |  Rapid Prototyping (Sandmould & Core)  |  Common Infrastructure for Foundry Park for Micro, Small & Medium Units at 3 Locations  |  Benchmarking of International Brand Pumps & Motors - Gearing up for Global Competence  |  Engineering Software Training - CAD/CAM/CAE  |  Technology Training - Skill Upgradation & On the Job Training  |  Up - Gradation of Testing Facilities at Si’Tarc
Indeed a pleasure to get in touch with you all once again, when our updates is graduating to a compendium enabling COINDIA to communicate its relevance to benefiting members and others. Latest in the feat of COINDIA is the RPT machine, being procured from EOS GmbH, Germany which is going to be the first of its kind in South India. Indeed, the dedication of various facilities, I repeat the common facilities, are almost over. Now, it is the turn of micro, small and medium industrial units of our region to make use of various infrastructure facilities to the betterment of Coimbatore industrial scenario. Elsewhere in the industrial history of telecommunications, the invention of GSM was spearheaded by a group of like-minded Companies across Europe for the betterment of society in the world. Selfsame, intermutual working is also possible in pump, motor and foundry industry related product development and research for which COINDIA is most suited to act as a common platform, so that hitherto unexplored areas of product innovation and engineering will be a reality sooner than later.

I take you through a journey called ‘COINDIA’ with this compendium.

I am fortunate enough and feel proud to avail co-operation of Office Bearers of COINDIA, SIEMA, COSMAFAN, COFIOA, IIF. Cbe - Chptr., and SIRUTHULI and our special thanks to Govt. of India and Government of Tamil Nadu and the donors, who have liberally contributed to COINDIA.

With Warm Regards

G. RAJENDRAN
President
COINDIA
Rapid Prototyping

Rapid Manufacturing through Laser Sand-Sintering.

Fast, flexible, and cost-efficient production of tools and end products directly from electronic data.

Modern production requires automated production methods. Laser-sintering, a generative-layer manufacturing technology, is one of these. Without tools, this EOS technology generates any three-dimensional geometry efficiently and flexibly.

The process offers such advantages as functional integration and considerable design freedom; laser-sintering produces nearly any shape, no matter how complex. Furthermore, it allows for the toolless production of hundreds of products in each automated process cycle.

Lineaments

- Building Speed upto 2500/CM3/h
- Build Volume 720mm x 380 mm x 380 mm
- Automatic Sand Recyling
- Double Laser sintering system - Tool less production of Sand
- Core and Mould for Metal casting
- Direct Cast Method

Additionally............

- Handling Steel, SS, SG Iron, Cast Iron and Aluminium
- Development of casting for engine blocks, cylinder head, pump mixed flow casting, impeller, exhaust materials with pattern and core box making
COINDIA Modern Tool Room

Established to cater to the needs of engineering industry in making of Tools, Dies & Mould and Machining by providing quality tools and precision machining facilities.

COINDIA Modern Tool Room offers a wide range of services especially to small scale industries.

- Design of dies & tools, moulds, jigs & fixtures, gauges etc. as per latest international standards for engineering industry.
- Designs to the customer requirements
- Backed by a full-fledged CAD/CAM/CAE design centre
- Innovations for improved product-design
- Skill up gradation of tool-designer
- Designing and Development of Products

Key Technical Features of Select Machines

CNC MILLING

1. DMG Germany - Model DMC 64 V Linear
   - XYZ Travel - 640 X 600 X 500
   - Clamping Area - 850 X 600
   - Spindle Speed - 12000 rpm
   - Tool Taper - SK 40
   - Machine Controller - HEIDEN HAIN TNC530

2. LMW India - Model L Mill 55
   - XYZ Travel - 575 X 410 X 460

3. HAAS - USA - Model TMI
   - XYZ Travel - 762 X 305 X 406
   - Spindle Speed - 4000 rpm
   - Tool Taper - BT 40

CNC WIRE EDM

1. Agie Charmilles Swiss - Model Robofil 240SL
   - XYZ Travel - 350 X 220 X 220
   - Max. Wt on Table - 750Kg
   - Max. Cutting Speed - 300 mm2/min
**CNC LATHES**

1. Hwa Cheon Korea - Model VT350 (Vertical)
   - Max Turning Dia/Length: 350 x 350
   - Spindle Speed: 30 to 2500 rpm

2. Hwa Cheon Korea - Model VT350 (Vertical) - continued
   - Max Turning Dia/Length: 350 x 350
   - Spindle Speed: 30 to 2500 rpm

**CONVENTIONAL MACHINES**

1. Centre Lathe - HMT Model NH22
   - Max Turning Dia x Length: 500 x 1000
   - Spindle Speed: 20 - 1020 rpm

2. Centre Lathe - PSD Model A124
   - Max Turning Dia x Length: 210 x 1500

3. Universal Milling BFW Model UF2
   - XYZ Travel: 800 x 230 x 400
   - X & Y axes on DRO
   - Micro Boring & Facing Head

4. Vertical Milling Model TRM 3V
   - XYZ Travel: 760 x 305 x 400
   - X & Y axes on DRO

5. MMT Cylindrical Grinder GEU 260 x 800
   - Max Grinding Dia x Length: 260 x 800
   - 1 Micron Spindle Variable Speed Drive

6. Tool & Cutter Grinder - HMT Model GTC 28BT
   - Wheel Size: 200 x 20 x 31.75

7. Radial Drilling Batliboi Model 615
   - Drilling Capacity in Steel: 60mm Dia
   - Box Table: 1000 x 750 x 500
   - Eifco Model: Capacity in steel 38mm Dia
   - Eifco Model: Capacity in steel 25mm Dia

8. Bench Grinding All Win 1 Hp: 2Nos

**QUALITY SYSTEM EQUIPMENTS**

1. Trimos Vectra VT 600 MA Model Co-ordinate Height Gauge
2. Surface Roughness Tester - Mitutoyo SJ201E Model
3. Coordinate Measuring Machine
   - XYZ Travel: 600 x 1000 x 500
   - Renishaw MH 201 Touch Trigger Probe
Engineering Software Training

Engineering Training Centre has been set up with the objective of imparting quality Training in CAD/CAM/CAE with latest software to the growing Engineering Industry Work Force.

COINDIA Engineering Training Centre offers long and short term Courses in Tool & Die Design and Manufacturing in CAD/CAM/CAE.

Courses on

- Pro-E
- Master Cam
- Unigraphics
- Solid Edge
- Nastran
- Ansys

Unique aspect of the training is the ON THE JOB CONTENT

*COINDIA has tied up with M/S Richmond Cad Solution for Imparting Engineering Training

Design Centre

The Design Centre of COINDIA Modern Tool Room is fully equipped with latest Hardware & Software.

We understand the skills needed to be successful and the individual needs of manufacturing companies. Whence, providing you with expertise in key design engineering methods and technologies and access to support functions that help businesses explore and diversify into new areas of development.

Software Used for Designing the Tools

- Auto Cad
- Pro-E
- Master Cam
- Uni Graphics
- Mould Flow
- Solid Cast (Flow Cast & Optic Cast)
- CFD Analysis
- Image ware

CONTACT: Mr. Devanathan, Manager Tool Room, Mobile: +919944971015, COINDIA Modern Tool Room - Unit I 340-342, Avarampalayam Road, K.R. Puram P.O., Coimbatore 641 006, Ph: 0422 6464784, Fax: 0422 2562060, E-mail: cmtr@coindia.in
Small Industries Testing and Research Centre
(NABL Accredited Institution)

Enhancing the Testing & Calibration facilities of Si’Tarc benefits the Micro, Small and Medium scale Units of the engineering industry in Coimbatore region.

- Only centre capable of testing large range of parameters.

Testing Services on

- Chemical Analysis
- Electrical Engineering
- Mechanical Engineering
- Calibration of Instruments
- 3D modeling & 2D Drawing of Companies making precision components
- Computer Hardware Training

Si’Tarc Pump Institute

- Prototype Development Tool Room

Business and Information Centre
“Marketing Facilities”

Located in full-service, professional business environments, COINDIA meeting facilities have everything you need to make your business meeting as productive as possible. Each of our purpose-built meeting rooms, training rooms and conference rooms are available on demand by the hour, half day or day.

Facilities

- Board Room
- Conference Rooms
- Training Rooms
- Video Conferencing Rooms
- Audio Conferencing
Infrastructure for Tiny & Small Foundry Units

Common Infrastructure at Foundry Complex I, II & III
- Office Building
- Meeting Hall
- Library
- Laboratory
- Metal Roads
- Cre’ch / Canteen Building
- Weigh Bridge
- Overhead Tank, Sump, Pipe Lines
- Skills Set Development & Training

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Workers Training Facilities

Technology Training - Skill Upgradation and On the Job Training for
- Various foundry industry workers - Tiny & Small Foundry development
- Various pump & motor industry workers - benefiting SMEs

Technology Upgradation
International brands of Motor pumps - benchmarking the performance parameters enabling domestic manufacturers to cope with / enhance.
Few reflections.....

Sri. C.R. Shanmugasundaram, Chairman, Physical Infrastructure Sub Committee of COINDIA declares open the Workshop on Pump Technology on 11.04.07

A section of participants on Workshop on Pump Technology including Dr. Srinivasan, PhD - Deen - KCT College, Coimbatore.

Sri. G. Rajendran, Convener, Joint Action Committee - BIS addressing the participants.

DISCUSSION & MEETINGS

Discussion with MSMEDI, Chennai on the Skill Development Vocational Training and Employment on 21.11.07

Discussion with MSMEDI, Chennai on the Skill Development Vocational Training and Employment on 21.11.07 along with Office Bearers of SIEMA & IIF, Coimbatore Chapter

COINDIA & SIEMA Joint Seminar on E-Filing of Tax
Few reflections......

Weekly Technical Meetings of SIEMA attended by Sri. G. Rajendran, Chairman, Technical Panel Board

Meeting with officials from State Bank of India Discussion about financial support to the SMEs

BIS - ET- 15 Panel Meeting jointly by COINDIA & SIEMA

DISCUSSION & MEETINGS

Board of Apprentice Meeting jointly by COINDIA & SIEMA

Foundry Complex-III-Manickampalayam - Land Registration on 16.11.07

Second Committee Meeting held on 1.11.07
Few reflections......

Signing of Working Arrangement Agreement with Si’Tarc on 22.10.07.

Working Arrangement Agreement on Software CAD/CAM/CAE Training with RICHMOND CADD Solutions on 9th Nov. 2007

Issue of Letter of Indent for the procurement of Rapid Prototyping Machine to EOS GmBH, Germany on 15.12.07

Signing of Working arrangement Agreement with COSMAFAN on 31.10.07

President explaining the details of working arrangements to the Office Bearers and Members of COSMAFAN and COFIQA under presidency of Sri. K. Subbrayan, MP on 31.10.07

Meeting on Working arrangement Agreement with COSMAFAN on 31.10.07
Rs. 1.21 crores of Grant received from GoTN for the Common Facility Centre handed over during 54th All India Co-operative Annual Day Celebration, by Hon’ble Minister Sri. Pongalur N. Palanisamy, Sri. R. Venkatachalam, Worshipful Mayor, Sri. Niraj Mittal, Collector, Mr. S. Asokan, GM-DIC and Office Bearers of COINDIA and SIEMA are also seen.

President met Secretary to Govt. DIPP, Sri. Ajay Shankar along with Sri. K. Subbarayan, MP at New Delhi

Visit of Industries Commissioner and Director of Industry and Commerce Sri. Rajeev Ranjan, IAS to COINDIA facilities.

MEETINGS WITH MINISTERS & DIGNITARIES
Meeting with Sri. Bruno Valanzuolo, Chief Tech. Advisor and Daniel James of UNIDO - discussion on Si'Tarc Facilities under COINDIA Project

Visit of Members of COINDIA and COSMAFAN to Foundry Complex-III, Manickampalayam on 16.11.07.

Field Visit of Members to COINDIA Modern Tool Room on 3.11.07

Visit of IPMA Members to Si'Tarc and COINDIA Facilities

Visit of SME Entrepreneurs from Rurekela arranged by DIC Coimbatore on 13/3/07

Visit of Foreign delegates to COINDIA Facilities on 13/2/07

FIELD VISITS
Few reflections......


Sri. V. Krishnakumar, Member, Technical Sub-Committee of COINDIA, addressing National Conference on Pumps on 22nd Dec. 2007.


CONFERENCE & HOUSEWARMING


Housewarming Ceremony of PDMC held on 13.12.2007

DISCUSSION MEETINGS

TECHNICAL
Technical Sub Committee Meeting for Tender 39, 40 & 41 on 20th July 2007.

PURCHASE SUB COMMITTEE
9th July for Tender 39, 40 & 41, 31st Aug - Misc. Purchases, 23rd Nov. - Interior and additional civil works at Si’Tarc, 24th Dec.07-RPT, 11th Jan. 08

FINANCE SUB COMMITTEE MEETING
21st August, 24th Dec. 2007

PHYSICAL INFRASTRUCTURE SUB COMMITTEE MEETING

INAUGURATION SUB - COMMITTEE : 5th, 12th, 19th, 24th, 30th Nov. & 10th Dec. 2007

BENCH MARKING : 14th May, 21st May, 18th June, 2nd Nov.

OTHER MEETINGS
11th July - Tool Room Training
21st July - Meeting with Viswanathan Constructions to review the progress,
23rd July - Office Bearers Meeting
27th July - Office Bearers Meeting
01st Aug - Engineering Software Outsourcing with Diagonal CADD
03rd Aug - Office Bearers Meeting
19th Sep - Meeting with Oriental Software Pvt Ltd
22nd Sep - Meeting with IPMA Members
27th Sep - Office Bearers Meeting
08th Oct - Meeting with MAKINO - METI clearance
11th Oct - Meeting with Chartered Engineer Shri. K. Kandaswamy
16th Oct - Meeting with COSMAFAN & COFIOA - future plans
17th Oct - Meeting with COSMAFAN
31st Oct - Meeting with COSMAFAN
13th Nov - Meeting with COFIOA
19th Nov - Meeting with UNIDO
21st Nov - Meeting with MSMEDI
22nd Dec - Ideation Meet on Revenue Opportunities of CMTR