



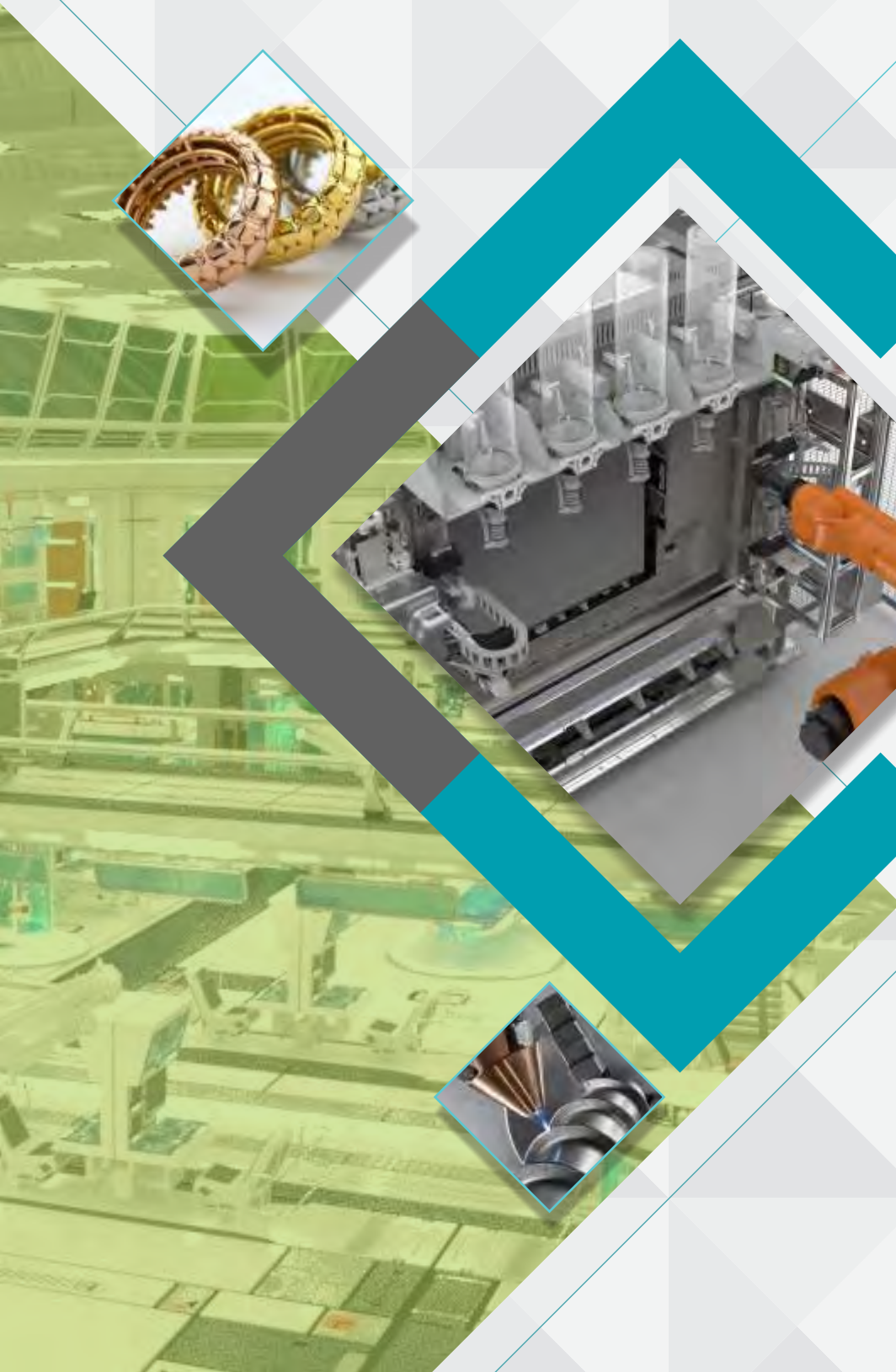
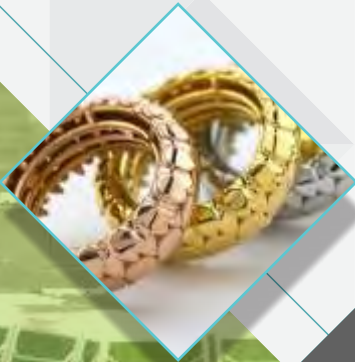
Confederation of Indian Industry



# Print-Tech

## Conference on Trends in Additive Manufacturing

29 June 2018: Taj Deccan, Hyderabad



# Overview



3D printing, also known as additive manufacturing, turns digital 3D models into solid objects by building them up in layers. The technology was first invented in the 1980s, and since that time has been used for Rapid Prototyping. With the drop in the price considerably, 3D printers have become commercially available from 2010. However, in the last few years, 3D printing has additionally started to evolve into a next-generation manufacturing technology that has the potential to allow the local, on-demand production of final products or parts thereof.

3D printers are emerging as the fastest growing printing technology worldwide and it also offers huge growth opportunities in the coming years in India. According to 6Wresearch market intelligence report, the 3D printer market in India is projected to touch US\$ 79 million by 2021, with automotive applications accounting for the biggest chunk of business. 3D printing technology helps industries streamline their design processes and lower production costs.

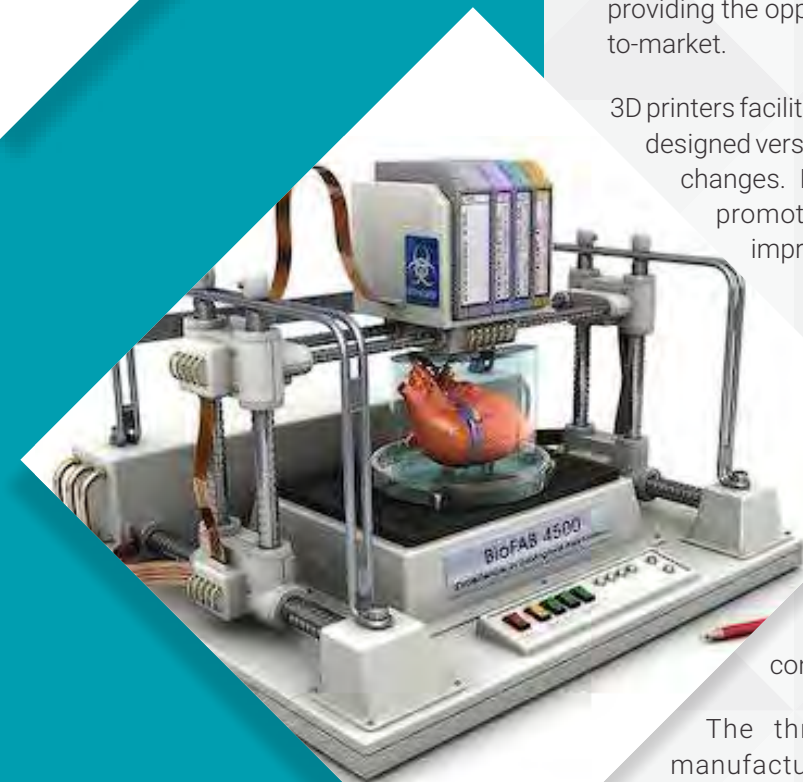
Today, manufacturers across a broad spectrum of industries including Automotive, Aerospace, Manufacturing and Healthcare are all actively piloting and using 3D printing technologies. Educational and medical applications are also expected to witness significant growth. Other niche applications include arts and crafts, interior decoration, fashion accessories, footwear designs, jewelry designs, animation & gaming, customized footwear designs, furniture and modeling. Prototyping continues to be the dominant reason why enterprises adopt 3D printing, providing the opportunity to speed up new product development and time-to-market.

3D printers facilitate manufacturing by helping re-engineer lighter and better designed versions of existing parts and a cost effective means for design changes. It allows low risk manufacture for market testing and promotes customisation and personalised products with improving accuracy and decreasing costly mistakes.

Currently, there is a growing interest several industrial sectors of Indian market. Various industries have already started using and many more are ready to use this technology, as they understand the benefits associated with 3D printing. Though the 3D printing service industry is growing at a good pace, the 3D printer manufacturing sector will require a push. But, awareness about this technology is yet to reach SMEs, small scale industries and individuals, which may constitute a major part of the consumers.

The thrust on domestic production, demand for lean manufacturing, and increasing penetration across various applications, coupled with the 'Make in India' campaign is expected spur the 3D printer market further in India. With initiatives like 'Make in India', the domestic manufacturing sector is being encouraged, which automatically plays a pivotal role in the growth of the local 3D printing industry. In the past few years, a significant number of companies in India have been coming forward to explore this segment.

Hence with this background, we propose to organize this conference to empower the Industry in and to understand the challenges, solutions and opportunities in utilizing the full potential of Additive Manufacturing



## Objective

The one day Conference 3D Print-Tech, with the theme "Conference on Trends in Additive Manufacturing" to discuss and address the key issues as per the need of Indian Industry. The objectives of the program will be

- ◆ To exchange technical knowledge on the adoption and application of 3D Printing and demonstrate novel technologies, platforms and solutions adopted.
- ◆ To highlight the opportunities and challenges associated with the industrial adoption of additive manufacturing in the industry and to come up with solutions.
- ◆ To create awareness and enhance the reach of the technology to Industries, SMEs and individuals
- ◆ To bring together industry experts, leading researchers and other stakeholders to exchange and share their experiences

## Need

- ◆ Inefficient supply chain for raw materials and components required for 3D printer manufacturing
- ◆ No government recognition for 3D printing as an industry and Heavy import duties for 3D printers
- ◆ Limited availability of experience zones, service centres and franchises for Indian 3D printer manufacturers
- ◆ Performance limitations of existing low-cost printers and the high expense of advanced 3D printing technologies like SLA, SLS, polyjet and multi-jet make the latter out of reach for small manufacturers
- ◆ Market infiltration by poor quality products and inefficient industry players

## Speakers

Experts from leading Additive Manufacturing companies and senior level executives from software companies who are providing designing and modeling softwares & solutions will address the sessions in the conference.

## Participants

Mid to senior level technical and managerial professionals from R&D, design, manufacturing, supply chain, and quality control segments of sectors including Services, Manufacturing, Automotive, IT, Healthcare, Lifesciences, Defense, Aerospace, Engineering, Design, Architectural, Jewelry, Fashion and other sectors.



# About CII

## Confederation of Indian Industry (CII)

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 8,500 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 200,000 enterprises from around 265 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.

As a developmental institution working towards India's overall growth with a special focus on India@75 in 2022, the CII theme for 2017-18, India @75: Inclusive. Ahead. Responsible emphasizes Industry's role in partnering Government to accelerate India's growth and development. The focus will be on key enablers such as job creation; skill development and training; affirmative action; women parity; new models of development; sustainability; corporate social responsibility, governance and transparency.

With 67 offices, including 9 Centres of Excellence, in India, and 11 overseas offices in Australia, Bahrain, China, Egypt, France, Germany, Iran, Singapore, South Africa, UK, and USA, as well as institutional partnerships with 355 counterpart organizations in 126 countries, CII serves as a reference point for Indian industry and the international business community.

### For more information Contact:

**M Narender**  
narender.m@cii.in  
91 40 27765837



Confederation of Indian Industry

### Confederation of Indian Industry (CII)

# 1-11-252/9, Plot No.7, 'Regal House'  
Motilal Nehru Nagar, Begumpet, Hyderabad – 500016.  
Ph: 040-2776 5933 / 5964 / 5967; Fax 040-27766116  
Email: [cii.hyderabad@cii.in](mailto:cii.hyderabad@cii.in)