

It's no secret & fast becoming clear that transformation of the industrial sector has begun. Whether it's called Industrial Internet of Things, Industry 4.0, or Digitization, companies have begun to use available technologies to completely reimagine their business model.

In near future, a critical factor that will determine the success of a manufacturing enterprise is digitization / computerization of shop floor i.e. **connected shop floor & top floor**. We have already witnessed a similar transformation happening with accounting & purchase process from manual to unwilling computerization with Microsoft office to Tally and now to sophisticated ERP, MRP, CRM etc.

Whatever may be the current status, ultimate direction & industry trend will be the ability of the enterprise to have connected Machines which use Internet of Things (IIoT) technology to connect machines and factory equipment to a central location in the plant and beyond the plant floor to the top floor. This creates new opportunities for end use industries as well as machine builders. Organizations can set up and install machines more quickly. Customers can partner with machine builders to spot problems before they occur, so they can schedule maintenance before operations are interrupted.

To achieve this, factories have to be Smart with the ability to cater to wide varieties of Scale and Configuration, with extreme agility. Industry 4.0 envisions a Smart Factory that is Digitally Connected – so same information can be shared with the internal - external ecosystem that includes MTBs, Vendors, Suppliers and customers. This would result in Lesser Downtimes, Better maintenance, improved asset performance, quick turn-around times, all leading towards Increased Operational Efficiency.

Ace Micromatic Group has always been adaptive to market requirements and one of the earliest movers in this extremely dynamic, complex, and fast-moving space for the last 10 years. We are now witnessing many large projects taking off with major Corporates, OEMs and several SSI sector also. In this direction, we have recently launched Smart machine with MachineConnect, to enable end customers to be far more competitive & profitable.

In addition to offering a wide range of standard CNC machines which can be used for varied applications, Ace Micromatic Group has built expertise to provide customized solutions to cater to the operation needs of specific components.

With the rising unavailability of skilled workmen, there has been an increasing need for automation solutions to ensure production demands are met. In addition, automation enhances production efficiency and component quality. Ace Micromatic Group has a dedicated team of experts to understand specific automation needs of customer to implement cost effective solutions. Some of the automation solutions offered by Ace Micromatic include

- ✓ Robot interface
- ✓ Gantry interface for a line of machines
- ✓ Other simpler automation solution specific to individual machines

The ability of the Ace Micromatic Group to offer process development, tooling, fixtures, work holding, programming, skill development in addition to IIoT enabled CNC machines plus complex automation which include robots, gantries etc truly make them a total solutions provider.