

Specialised technologies

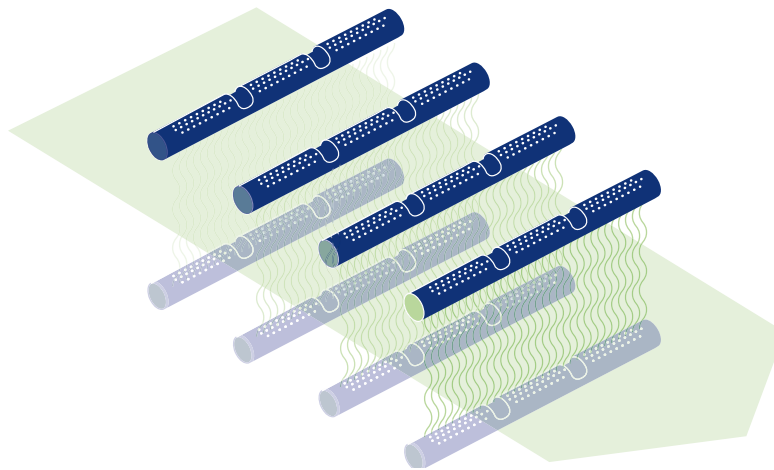


Meyer Burger applies technologies covering a broad range of applications in other markets, which have already been successfully implemented in the photovoltaic market.

Functional inkjet printing

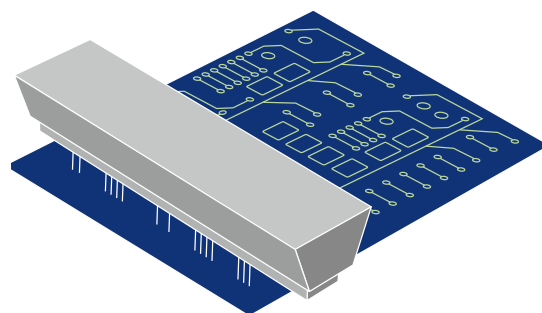
PiXDRO inkjet printing technology is a pioneering technology in the semiconductor and PV industries, as well as for circuit boards and printed electronics. With pinpoint accuracy, this unique technology deposits tiny droplets of functional liquid on a substrate, enabling the creation of very precisely structured coatings. It is additive, digital, non-contact, quick, resource-efficient, precise and cost-effective.

Meyer Burger is a leading global supplier of innovative inkjet systems for industrial high-tech applications. Innovative systems are available that allow inkjet printing to be scaled all the way from research to mass production. PiXDRO platforms are particularly well suited for the manufacture of semiconductor components, solder masks for circuit boards, printed electronics and etching masks, as well as numerous other applications in the areas of sensors, displays, medicine and pharmaceuticals.



PECVD coating

The field of displays, windows, watches, lenses, etc. is experiencing increasing demand for hard, scratch-resistant coatings with optical antireflection or filter characteristics. For circuit boards or OLEDs, the coatings should also provide insulation and protection against moisture. Meyer Burger is pioneering the use of plasma-enhanced chemical vapor deposition (PECVD) as an alternative technology to the familiar physical vapor deposition (PVD) for large-scale, high-throughput applications with advanced coating properties.



Future-oriented automation solutions

Digitisation, networking and a steadily increasing level of automation currently represent the greatest challenges that industrial manufacturing companies will face in the years ahead. Smart IT and automation solutions that tackle these topics quickly and in an application-oriented manner are key to finding answers to future challenges. Relying on a portfolio of smart software solutions, Meyer Burger assists its customers from the industrial sector in implementing the concepts of Industry 4.0 and the Internet of Things in a solution-oriented manner, thereby equipping themselves to head into the digital future.

Food technology

Building on its long-standing experience with industrial microwave and plasma systems, Meyer Burger is setting new standards in the food industry. The patented coaxial microwave process is a new technology that may revolutionise the way in which food is processed,

as well as the quality and safety of packed goods. Compared to all other microwave technologies on the market today, Meyer Burger's coaxial microwave process reduces energy consumption, boosts efficiency and increases capacities for preparing large quantities of food.

Industrial microwave and plasma systems

Meyer Burger is a leading international supplier in the field of industrial microwave technology. Its portfolio encompasses microwave generators and components, including the related power supply technology for various applications such as industrial microwave heating and, in particular, plasma technology. The microwave systems are used to generate plasma for industrial, semiconductor and flat screen applications.

The scope of services ranges from the development of process and plant engineering systems to design, installation, commissioning and comprehensive customer care. The key products include components as well as plasma sources based on industrial microwave plasma, to be used in the semiconductor industry.