Specialised Technologies

Specialised cutting technologies

Meyer Burger's high-precision diamond wire cutting platform, in combination with its long-term extensive know-how in the cutting of hard and brittle materials, is also applied to cut sapphire crystals into bricks and wafers and to slice ceramics, galls, quartz and a variety of other hard and brittle materials. Sapphire wafers used in light-emitting diodes (LED) as well as in watch glass are now also being applied in the touchscreen industry. The capability to handle ultra-thin wire optimised for thin wafers maximises material and cost savings during wafer production while increasing production output and maximising machine capacity.

Functional inkjet printing

PiXDRO inkjet printing technology is a future-oriented technology in the semiconductor and printed electronics industries. Meyer Burger offers excellent plasma and ion beam technology solutions for thin-film coating, surface treatment and sensor production.

Meyer Burger is a leading global supplier of innovative inkjet printing equipment solutions for high-tech industrial applications. An innovative range of systems has been developed which enable the scaling of inkjet printing from laboratory applications to the point of mass production. PiXDRO platforms are especially suitable for the manufacture of semiconductor packaging, devices, for OLED products (illumination, display, 3D), as well as for printed electronics (PCB).

Thin-film coating

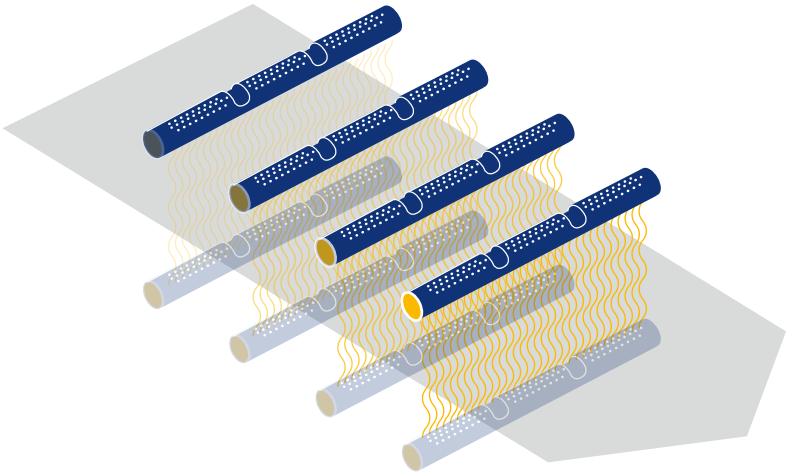
The application of inorganic thin film to protect sensitive electronics from moisture and oxygen is increasingly surpassing classic cover materials such as glass. The excellent protective characteristics enable the manufacture of lightweight, thin and flexible OLED products, OPV modules and batteries. With its FLEx and CONx platforms, Meyer Burger offers thin-film coating systems based on PECVD and spatial ALD technologies.

Future-oriented automation solutions

The growing digitalisation of today's industrial production processes is posing new challenges for employees and companies. The increased level of automation requires the interconnection of infrastructure and IT systems as well as the end-to-end monitoring and optimisation of production processes. With its long-term extensive know-how in automation technology, Meyer Burger transforms the concept of Industry 4.0 and the Internet of Things into reality with smart software solutions for customer's industrial processes.

Industry 4.0

Transforming the concept of Industry 4.0 and the Internet of Things into reality



Industrialised microwave and plasma systems

Building on its in-depth experience in industrial microwave and plasma systems, Meyer Burger is now setting new standards in the food industry. Its patented coaxial microwave process is a new technology which can transform the way food is processed and revolutionise 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 usage, increases efficiency, and escalates the capacity for higher volume food preparation.

Meyer Burger's patented coaxial microwave process is a new technology which can transform the way food is processed