

## IMTMA Design Institute organizes alumni meet

Indian Machine Tool Manufacturers' Association (IMTMA) organized an alumni meet of machine tool designer talent pool at its head office in Bengaluru on 9 June 2018. The meet was hosted as part of IMTMA Design Institute's 5 year celebrations.

B.C. Rao, Managing Director, Kennametal and Executive Member, IMTMA was the Chief Guest. Other panelists included V. Anbu, Director General, IMTMA and BIEC, P.J. Mohanram, Senior Adviser, IMTMA, and H.V. Rajashekara, Senior Director, IMTMA. Around 75 delegates participated in the meet.

Speaking on the occasion, B.C. Rao deliberated that young engineers are the backbone of manufacturing industry and their role is very important for the continuous growth of the industry. Industry scouts for higher skilled

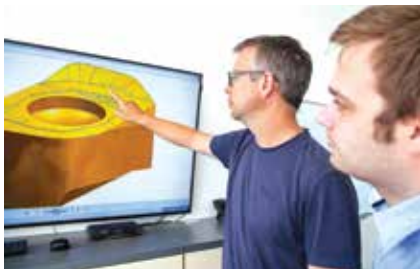


workforce as an on-the-job training for a fresh engineer would affect their economics and day-to-day operations. Picking up an experienced or trained 'industry ready' engineers from institutions such as IMTMA Design institute will make the job easy for companies. Mr. Rao felicitated IMTMA for imparting design skills to young engineering job aspirants and getting them placed in various industries of

the manufacturing sector. The delegates were presented with the credentials of IMTMA Design Institute

The faculty and delegates who attended the meet expressed that IMTMA's Design Institute was the best platform to build the industry design skill sets to make fresh engineers "The Industry Ready Design Engineers". All of them were very proud to be a part of these noble initiative. **MTW**

## Dormer Pramet explains the process of creating a new cutting tool

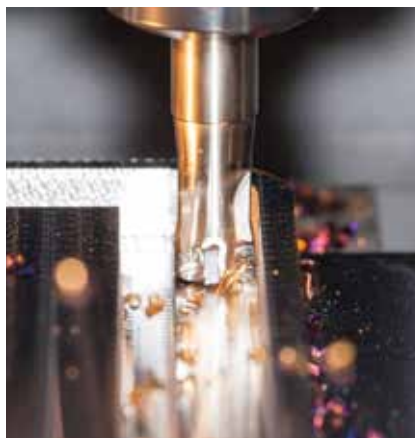


Global manufacturer Dormer Pramet tasks its product management and development department with creating new tools every year. A member of the team is product and development engineer Jan Bittner. In January 2015, Jan joined Dormer Pramet and became part of the company's project to develop an assortment of high feed milling tools. Almost three years later, a new range of SBN10 cutters and BNGX inserts were launched into the global market. The time taken to introduce a product is an indication of the investment a manufacturer makes to create a new product which will add value to customers for many years. This is Jan's story.

At Dormer Pramet, the process of creating a new tool begins with its product management department which identify the market needs and

gaps in the company's current assortment. Karel Tiefenbach is the company's product manager for indexable milling and he created a concept brief and clear objective for the development team.

Dormer Pramet's aim was to create an assortment of tools for its double-negative



cutters, which allowed high feed rates for increased productivity. The design needed to be for double-sided inserts to maximize the economic value (four-edges) and provide good chip-control, allowing for a higher ramping angle.

At the same time, the tool needed to offer process security and a versatile range for mold and die operations, covering roughing to finishing.

Jan began the process with Jan Vlček from the company's product design & information department, responsible for all aspects of tool development. This includes creating high quality data on every tool produced, the design of products and supporting manufacture.

The department's first task in designing a new high feed milling tool – later known as SBN10 - was to research what products were already available in the market from competitors and how Dormer Pramet could be different, while still meeting the needs of customers. **MTW**

