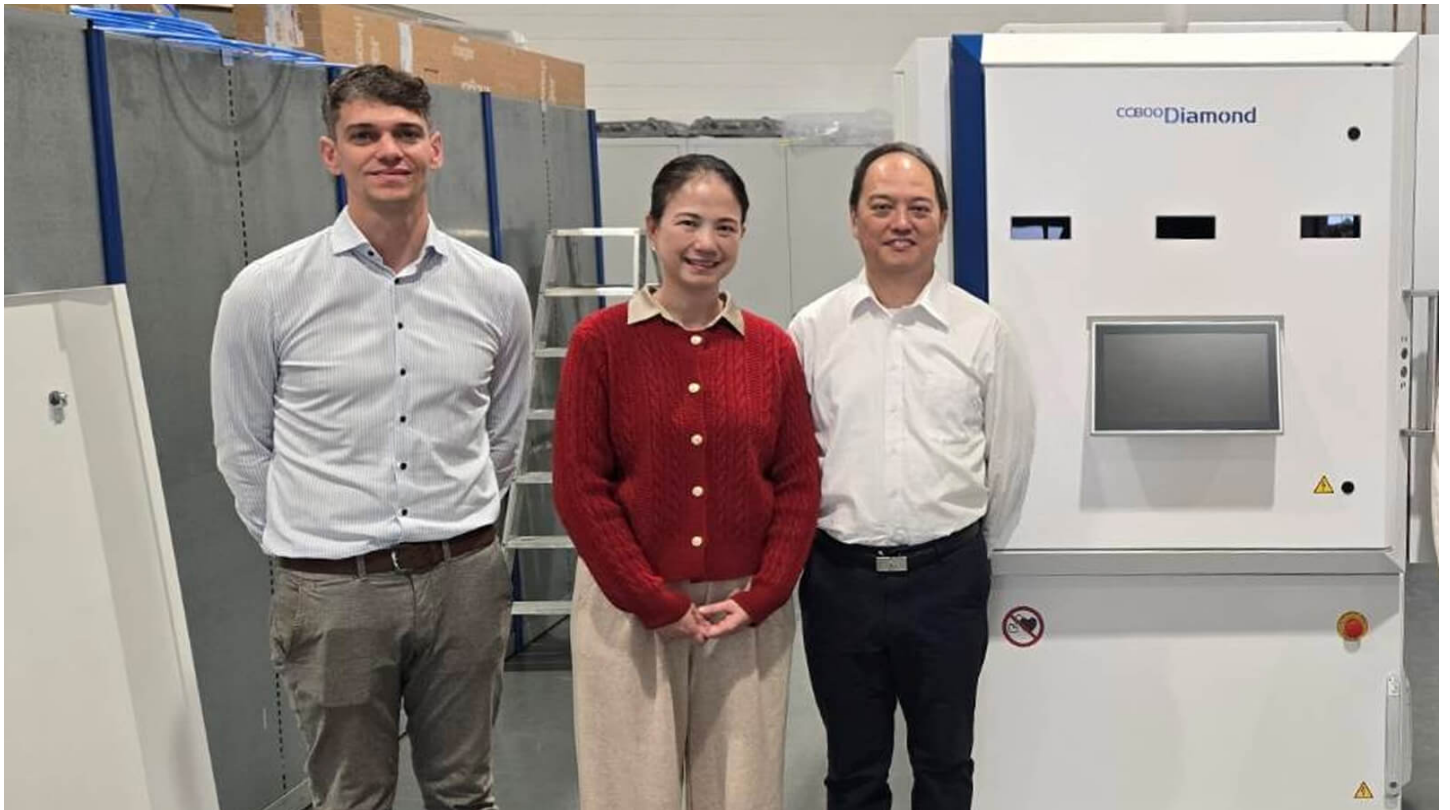


## Step by step to successful plant implementation



Alvin Yin, owner of the Taiwanese tool manufacturer IDI Precision Machinery (third from left), personally informed himself about the coating system for his company during a stay in Germany with his family. CemeCon employee Jens Jordine, Junior Project Manager (far left), welcomed the guests at the CemeCon site.

### **A structured project process for perfect in-house coating**

CemeCon works in partnership with customers from the initial inquiry to the successful start of production of their own in-house coating system—and far beyond. Transparency and clarity about the project phases are always the focus, giving all partners involved reliable planning security.

For many tool manufacturers, the decision to purchase their own coating system from the developer and technology leader CemeCon is a strategic step toward future viability. The extraordinary flexibility of the systems and the wide range of possibilities offered by the coating processes pave the way to greater independence and enhanced development potential in production. Thanks to in-house coating, control over quality and availability is entirely in your own hands.

Of course, tool manufacturers often ask themselves numerous questions in advance: How can unnecessary effort be avoided when getting started? What specific steps are necessary? How can stable production be achieved as quickly as possible? How is advisory support provided during intensive phases? When can independent production begin and customers be reliably supplied? CemeCon provides transparent, targeted answers with a structured project process for the design, implementation, and operation of its systems. Every customer can rely on this.

## **Extensive practical experience—a rock-solid foundation for consulting**

With nearly 500 HiPIMS and diamond coating systems installed worldwide, CemeCon has exceptionally broad experience. The wealth of technical knowledge is constantly growing in CemeCon's coating centers around the world, where development and production are closely interlinked. The entire coating process, including pre- and post-treatment, is carried out here on a daily basis. This continuous work under real industrial production conditions ensures a deep understanding of the technical and economic requirements for high-performance coatings for cutting tools.

This means that CemeCon is very close to the needs of the industry and ideally equipped for technology transfer to its customers. Tool manufacturers benefit directly, as all findings from CemeCon coating lines are incorporated into system concepts, training, and process workflows. Every customer receives a turnkey system, including all peripherals required for pretreatment, cleaning, and post-treatment. This enables immediate, stable, and economical production at premium quality.

## **Knowledge exchange for an individual solution**

Every coating system implementation begins with an intensive, personal exchange between CemeCon and the customer. "Even at this early stage, specific requirements and customer needs are examined in detail and technical questions are clarified. Spatial conditions, existing manufacturing processes, and business objectives are also included in the joint planning," explains Jens Jordine, Junior Project Manager at CemeCon. At the same time, customers gain in-depth insight into coating technology and all associated workflows.

All these aspects form the basis for the application-specific development and implementation of a customized coating line. A clear structure with a strong focus on efficiency ensures that defined milestones are reliably achieved and enables realistic time and resource planning for the entire process.

## **Training, commissioning, and production support**

Even before technical acceptance, the customer's production team is trained at the CemeCon site on identical systems. During this key step, personal contacts pass on in-depth knowledge of the coating processes. All training courses are designed to be highly practical and user-friendly. This allows future operators to internalize optimal workflows and independently apply the technology in everyday production. "On this basis, a quick transition to stable, independent series production is possible immediately after installation at the production site," says Jordine.

## **Sustainable partnership on equal terms**

With the successful commissioning of the system, premium service marks the beginning of a new chapter in the customer relationship. CemeCon's goal is to support its partners long-term in maintaining their

competitive edge. Supplementary training, worldwide troubleshooting, maintenance services, high-quality consumables, and original spare parts—available for years and decades—as well as continuous technological development ensure that coating lines run reliably and profitably over the long term. Close communication, expert contacts, and a shared understanding of production goals define this ongoing collaboration.

## 3 steps to your own in-house coating solution

### Collaborative analysis for a tailored solution

1

*Assessment of requirements and definition of objectives*



### Joint planning and implementation

2

*System design and integration into existing production processes*



**Training, commissioning, and production support**

*Qualification of the team and stable production ramp-up*

3



In-house coating

HiPIMS

Diamond

Training