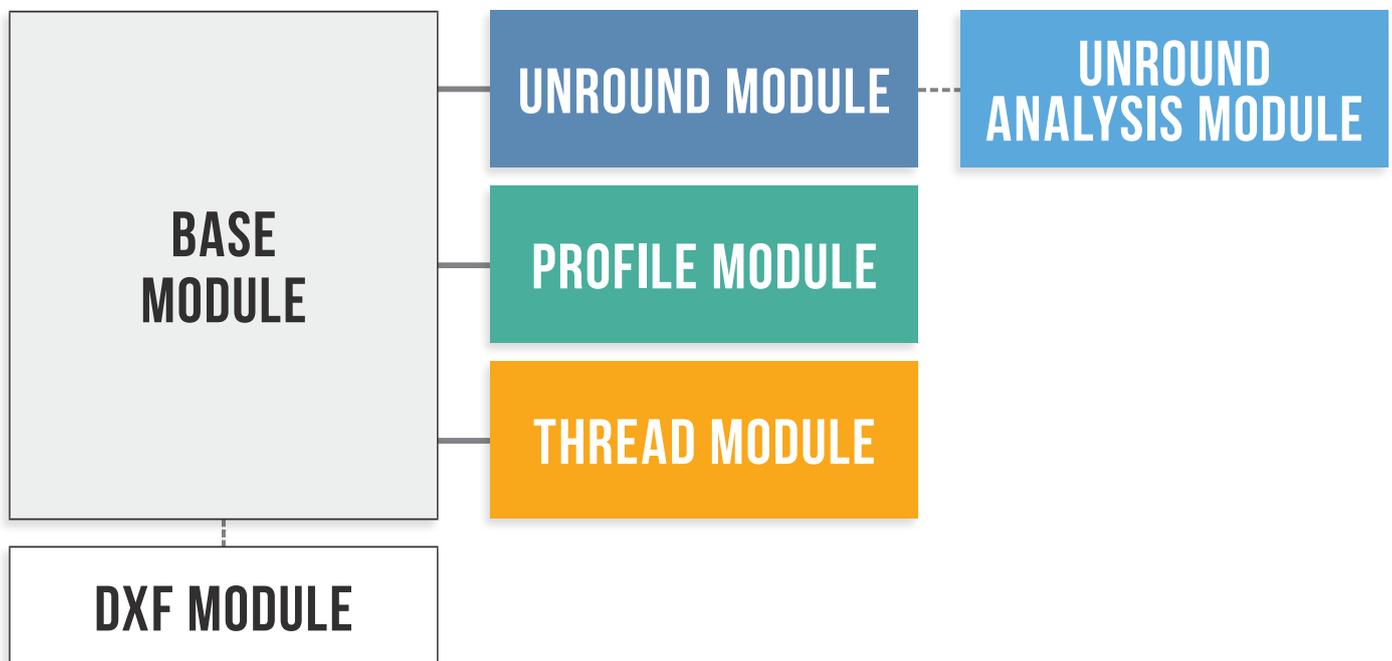


BLACK CAM SOLUTION

BLACK CAM SOLUTION MODULE AT A GLANCE



The BLACK CAM® Solution is a modern CAD/CAM software for the simple creation of out-of-round, contour and dressing programs. With extensive CAD drawing functions, profiles for out-of-round and contour grinding, as well as profiles for dressing, reprofiling profile and thread grinding wheels can be designed easily and quickly. It is even easier and faster to import profiles from existing CAD data for further use. Of course, the most common formats such as STEP, IGES or DXF are supported for this purpose. Various intelligent tools detect and correct profile defects such as gaps, inside corners or overlaps. Several analysis functions for out-of-round and thread grinding help to check the grinding result for possible form deviations even before the first contact with the machine.

With the program animations, travel movements and speed ratios of the grinding and dressing operations can already be shown at the workstation. Especially for non-circular machining, the speed behavior of the grinding point can be decisive for the grinding stock removal and the resulting shape accuracy. The determined machining times support the planning of long processes, such as the clearing or reprofiling of grinding wheels, as early as the quotation phase. The integrated document management ensures that all documents belonging to the project, such as workpiece drawings, photos of superstructures, etc., can be stored centrally in a file. This means that the documents are also available when the project is opened at another workstation.