

European launch for 3 New larger capacity Okamoto Precision surface grinders – PSG-126CAiQ Touch Screen FANUC Controlled Surface Grinder shown below.



At the Hannover EMO 2023 in Hall 11 Stand E65, Okamoto proudly presents a new addition to the ACC-CAiQ Series. The ACC-CAiQ range with sizes from 600x400 up to 1000x600 has been extended with the addition of 3 new larger heavy duty sizes, the PSG-126CAiQ with a size of 1200x600, the PSG-127CAiQ with a size of 1200x700, and the PSG-157CAiQ with a size of 1500x700.

The new larger models benefit from an extremely robust heavy duty main machine casting with a new moving column design that features a high-level column cross slide that further increases the rigidity and strength of the machine. Starting with the 1.2m size, these larger machines are also delivered with a heavy-duty wheel-head together with a 15kW spindle motor and a $\varnothing 510\text{mm}$ grinding wheel. Despite having a longer table stroke, the cycle time is reduced thanks to a ball-screw table drive with 40m/min feed rate.

All CAiQ Series machines benefit from an extremely rigid main casting with fully supported slide ways to guarantee the highest stability and accuracy. Double V hand scraped table slideway ensure that the lubrication oil is perfectly distributed to ensure a flat surface and straight table movement.

The touch screen FANUC control, that has proven so popular with existing users of the CAiQ Series, has been further developed and made even quicker and easier to set both in production and in tool

room environments. The new Fanuc control offers an even faster response, with a larger high-definition touch screen with sharper graphics. The Okamoto graphical touch screen user interface featured on the iQ range of surface grinders is undoubtedly the best control on the market.

Graphical representation of common user-friendly grind patterns and wheel shapes are quickly set-up directly on the touch screen view panel with the help of the iQ function. The iQ function can automatically set the optimal grinding conditions, simply by entering the grinding wheel mesh / grit size.

Until now complex tasks in precision grinding depended very much on the experience of a skilled operator. The development of the Okamoto iQ touch screen control and its easy to use software, coupled with the inherent mechanical accuracy of the column moving design, allows even unskilled operators to use the machine with maximum efficiency & precision.

The attractive 2 tone colour and ergonomic design of the fully enclosed table cover, with interlocked sliding door, allows modern large volume high pressure coolant systems to be used, to increase productivity whilst keeping the workshop environment clean.