# Okamoto

## Emerging Abrasives Technology

**Okamoto ACC-SA1 Series Surface Grinder launched at EMO with new probing capability.**



At the Hannover EMO 2023, in Hall 11 Stand E65, Okamoto proudly presents a further development of the popular SA1 series, now with a control refresh and featuring the Quick Touch measuring system option.

We will be demonstrating the ACC-63SA1 surface grinder with the semi-automatic Quick Touch Measuring option, that allows workpiece measuring directly on the grinding machine. The measuring probe is quickly brought into operation with the touch of a button and is then used to automatically probe the workpiece height.

The SA1 Series is available in 6 sizes, 500x200, 600x300, 600x400, 600x500, 800x400, and 1000 x 500. The new control has an easy-to-use colour touch screen which enables advanced surface grinding with automatic wheel dressing. It provides a fully automatic grinding operation for standard surface grinding or shift plunge surface grinding for even higher productivity. The grinding method is selected via easily found touch buttons on the main panel. Feed-rates and feed change points can be quickly set and easily adjusted at any time via the touch screen. Table parking and wheel head retract at cycle finish are standard features to make the load/unload process faster.

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Coupled with the touch screen control are 1/10 Micron AC Servo Motor driven ball screws in both axes with 2 axis DRO as standard. The grinding wheel is directly driven via an elastic coupling between motor and shaft that offers the best power, precision, and surface finish. Wheel speed inverter and wheel dressing from the table mounted diamond are standard.

The ACC-SA1 series features a robust rigid cast iron construction with high static and dynamic stiffness and excellent dampening characteristics. The hydraulically driven table features double V slideways with minimal overhang and non-contact switches for table reversal. All slideways have automatic lubrication.