

Okamoto

NEWS RELEASE

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Solar Silicon Ingot Grinder

Okamoto-SED has released the Model SiG154H Silicon Ingot Grinder, designed to coarse and fine grind all four sides and chamfers of a solar silicon ingot automatically with a high degree of accuracy. Ingot crystals cropped from the original full ingot do not always have parallel end cut surfaces. Floating head and tail stocks enable automatic centering and secure clamping of the ingot and provide stable attachment for processing.

Productivity is optimized by utilizing opposing grind wheels for both coarse and fine finishing, which enables simultaneous grinding of two opposing sides or chamfers. The system features high output power and high accuracy control, which results in superior finish and minimum residual depth of damage.

The SiG154H will accommodate up to 200mm diameter ingots up to 500mm long. An optional stocker/loader is also available to enable continuous automatic operation.

A second system, Model SiS152H Si Ingot Squaring System, features simultaneous opposing side processing, similar to the SiG154H, which slices off the round surfaces of the ingot to provide a square ingot for subsequent grinding by the SiG154H. The

combination of these two systems will provide a high precision, high productivity, fully automatic manufacturing process for solar silicon ingots.



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