

KADIA E LINE HONING MACHINE OFFERS COST-EFFECTIVE INVESTMENT FOR SMALLER VOLUMES

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The single-spindle E line (Eco) honing machine from Kadia is for companies that produce highly precise bores in small to medium batch sizes but who hesitate to invest in their own precision honing machine, as the rate of utilisation is simply too low.

"The new single-spindle E line is a cost-effective, productive honing solution for the highest precision. With this machine, we are rounding off our spectrum in the smaller range", emphasises executive director Henning Klein.

The machine has a honing length of 250 mm is ultra-compact, requiring just 2.5 m² of floor space, with installation close to a wall possible. The control cabinet is integrated into the side and all the components that require regular maintenance are easily accessible.

The machine has a 50 m/min stroke rate and is fitted with second-generation LH2 spindle (5,000 rpm), which offers a material removal rate of up to 18 mm³/s and the company's 19-in display HMC100 machine control system is fitted. "The E line is on the same level as our larger machines when it comes to quality", says Klein.

In its basic configuration, the machine boasts a fixed table, but there is the option of installing a rotary table having multiple stations, usually honing, measuring and loading stations. "Users have the option of integrating a handling system for automatic placement", explains Klein. "This provides a productive honing solution for medium to large batches."

Depending on the number of units being produced, the provision of coolant may come into play. As a compact solution, an integrated coolant and extraction system is available to E line operators. This will almost always be sufficient for prototype or small batch production. For larger production volumes and fully automatic operation, an external coolant system may be advisable.

The E line machine won a [Red Dot award in 2017](#).

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