

# Kadia Inc.

## INTRODUCES COST-EFFECTIVE, ECO-HONING MACHINE

Manufacturing companies that produce highly precise bores in small to medium batch sizes often hesitate to invest in their own precision honing machine. The rate of utilization is simply too low. Such manufacturers might use a simpler machine that is less costly but often does not work precisely enough.

With a new single-spindle Eco Honing

Machine, Kadia now seeks to meet the needs of exactly these and similar user groups. The E line, as it is called, is the ideal solution for entry into high-precision honing. And in the event that production quantities rise — no problem, as the machine concept offers options for series production.


In view of rising quality requirements,



every  $\mu$  matters when honing is used for finishing of precision bores. The edge of what is technically possible is becoming the norm. High-end machining equipment and highly developed technology are the prerequisites to even be considered as a supplier. Working productively and precisely to the last  $\mu$  is Kadia's specialty. The honing specialists from Nürtingen have positioned themselves for years in the area of professional users, with the focus on small to medium diameters.

"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," said Kadia's Executive Director Henning Klein. The machine is also ultra-compact and requires just 2.5 m<sup>2</sup> of floor space. The control cabinet is integrated into the side and all the components that require regular maintenance are easily accessible. Potential users who also have the area of their production space in mind will be glad to learn that installation close to the wall is possible.

Until recently, the company has developed mostly multi-spindle machines for use in large series production, especially by automotive manufacturers and large suppliers. "The E line is aimed, on one hand, at these current customers, especially at prototype developers," Klein said. "We see the second user group as manufacturing companies that want to



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## Forest City Gear

### EXPANDS SMALL DIAMETER ID/OD GRINDING CAPABILITY

Forest City Gear has expanded its capabilities for the hard finishing of smaller diameter gears with particularly tight ID and length tolerances with the addition of a Usach 100-T4 ID/OD Grinder with 4-station turret.

While the new Usach can accommodate parts with diameters as large as 450 mm (17.71"), its ability to deliver

exceptional grinding performance for gears with smaller diameters made from difficult-to-machine hard materials made it ideal for the types of projects Forest City Gear specializes in, according to Forest City Gear Director of Operations Jared Lyford. "Where in the past we might have outsourced this work, we're now able to take on



either produce small volumes especially flexibly or produce in series economically, all in the high-precision range.

Such companies then have two options: They either handle the honing themselves or they hand off the demanding precision work to external service providers. The latter lends itself well when the company does not view honing as one of its own core competencies but would still like to accept orders from customers with highly precise requirements for boring quality.

Professional honing providers can carry out such tasks quickly and reliably. The new E line is the ideal alternative, especially when honing is a central part of the company's manufacturing competence and highly economical and precise work is important. In this case, the special entry-level features and the quality of output are not mutually exclusive, since the same components that Kadia uses in other types of machines ensure that the end quality is correct down to the  $\mu$ : a highly dynamic lean high-speed honing spindle and intuitive high-performance control.

**For more information:**  
 Kadia Inc.  
 Phone: (734) 277-4060  
[www.kadia.com](http://www.kadia.com)

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