

# **SERDI 1.0 Advanced Design**

## **Affordable High Precision**

The SERDI 1.0 AD is an **high precision** machine featuring the latest SERDI technology incorporating **air-float automatic centering and motorspindle**.

Especially developed for the repair of **small motorcycle and automotive** multivalve cylinder heads.



- Fitted with the new SERDI tooling that decreases the cutting force by 30%, this machine will cut the hardest seats.
- Machine bed structure optimized by static and dynamic calculation, with a functional design.
- Machining capacity from 0.551" / 14mm to 1.600" / 40mm.
- Fully integrated spindle motor: infinitely variable spindle speed, 60 to 1200 r.p.m., with sensorless Vector Flux Control in open loop (Extremely broad torque ratings from lowest r.p.m.).
- Rigid, low-inertia workhead. Easy to use due to an automatic reset system.
- Air-floated table fixture with 400mm lengthwise and 40mm crosswise travel.



### **Motor-Spindle**

- High precision toothed rack
- Locking of the spindle by electronic control.



Workhead with spherical and flat air floatation



Airfloated workpiece table

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