

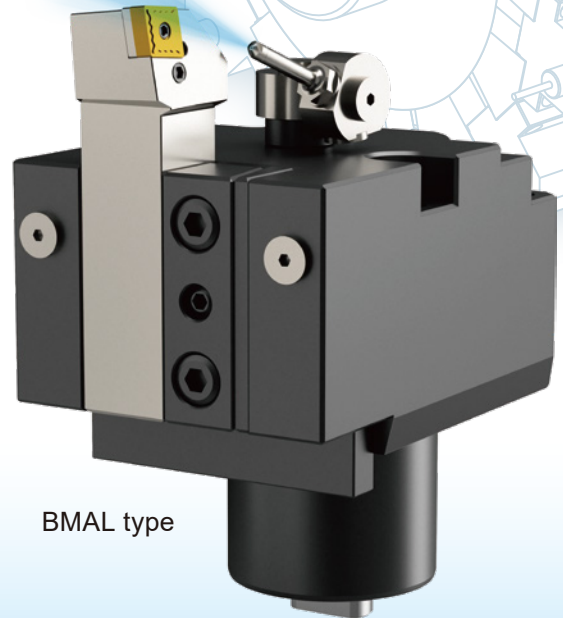


High-pressure Cleaning Tool for Multi-task Lathes  
**Boost Master**



**Ideal for chip control and removal on multi-task lathes!**

Coolant is increased to **Max. 15 MPa** and sprayed to prevent chips from wrapping around the workpiece!

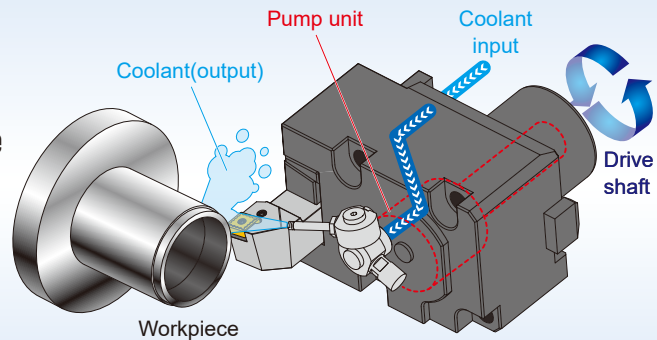


BMAL type

### Capitalize

- The **built-in pump unit** increases the pressure of the coolant when the drive shaft rotates.
- Coolant output : **15MPa Max**

Do not use on materials that generate fine dust when cutting.  
 (Quartz glass, ceramic, magnesium, carbon, graphite, etc.)  
 Using in an environment where fine dust is generated may significantly reduce the product's lifespan.



### Processing Comparison >>>



Chips get wrapped around the workpiece.



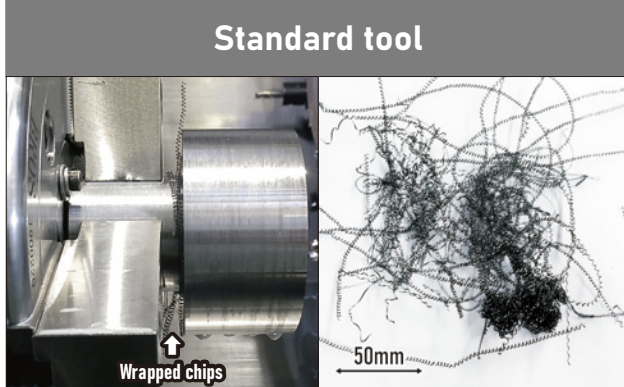
No chip wrapping!

## Example 1

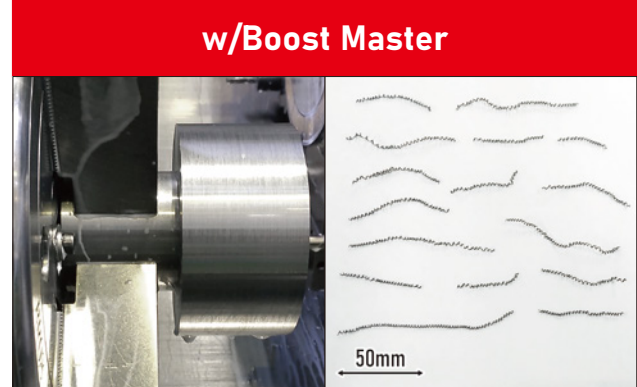
**Promotes the separation of chips during processing and prevents chips from wrapping around the workpiece!**

Discharge pressure 15MPa  
 Work SNCM415(HRC10)  
 Tip 55° diamond tip  
 \* with chip breaker

MI axis speed 6,000rpm  
 ap=0.1 mm  
 f=0.15 mm/rev  
 V=160 m/min



The chips are long and wrap around the workpiece



The chips are short and do not wrap around the workpiece

## Example 2

**Compared to using a high-pressure pump, power consumption and CO2 emissions are reduced by about 70%!**

Even a standard 1.5 MPa pump on a multi-function lathe can be pumped out with a Boost Master that boosts the coolant to 15 MPa. It contributes to the reduction of running costs and environmental impact.

	1.5MPa Pump + BoostMaster = Output 15MPa	7MPa Pump	15MPa Pump
CO2 emissions kg-CO2/month	93	157	318
Power Consumption kWh/month	211	355	720
Electricity Bill ¥/month	6,451	11,005	22,320

\*The values in the table are for reference only.

## Example of special products

**It is possible to special order a custom unit that discharges the pressurized coolant towards the inner diameter of the workpiece.**

