



FDT PMT-20A
Pneumatic Marking model with
pressure air supplied through
the spindle. (toolshank)
Article No.60.420.00



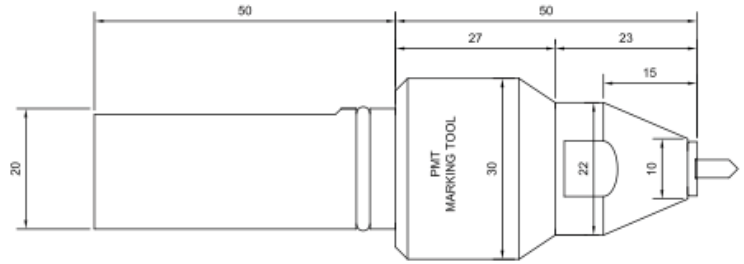
FDT PMT-20AL
Pneumatic Marking model with
pressure air supplied lateral
or through the spindle.(toolshank)
Article No. 61.420.00



FDT HMT20
Hydro Dot-Peen Marking Tool
activated via internal coolant pressure
through the spindle. (toolshank)
Article No. 64.420.00



**We are focused on eliminating your
marking and deburring operations.**



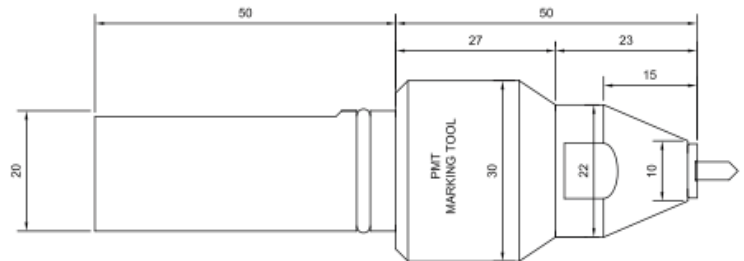
PMT20-A is an pressured air driven dot peen marking tool suitable for CNC machines and Robotic systems. The tool allows you to do marking operation directly on the machine eliminating the marking performed after machining. Marking directly within the CNC allows you to lower costs by avoiding a subsequent re-processing and handling of the pieces and also avoids possible errors, since the marking is set directly into the part-program of the workpiece.

PMT automatically compensates for any differences in height (and / or curved surfaces) within certain limits. This makes marking on all surfaces possible. (unfinished, row or milled surfaces) With the carbide marking needle both soft and hard materials can be marked easily.

Working parameters:

- * Air pressure: 5-8 Bar
- * Spindle: stationary spindle rotation or minimum possible
- * Feed: F2000 mm/min
- * Distance from the surface: 6-8 mm and decrease of 0.5 mm at a time until marking occurs, then descend further 0.5 mm in Z axis.
- Approach to work Z rapidly

Adjustable compensation allows the user to adjust oscillation of the marking needle. You can increase the stroke (compensation) reducing the frequency. Or for finished surfaces increase the oscillation frequency and get faster feed rates.



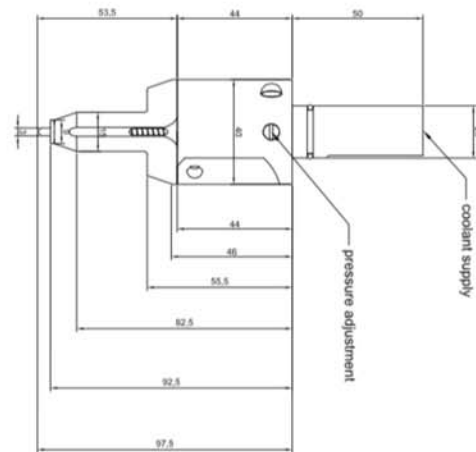
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**Advantages:**

Eliminating secondary marking operations
 Different than engraving AKS marking tools doesn't require a rotating machine spindle
 You can use very high feed rates comparing to engraving operations reducing cycle times

HMT20 Hydraulic marking Tool is a pressured coolant activated marking tool.

Minimum 10 Bar coolant pressure required.

Can be used on machining centres or automatic lathes.

With pressure adjustment mechanism suitable for 10-80 Bar machines.

20mm standard weldon shank

Suitable for marking hard workpieces upto 60-62HRc.

Can be used on rough surface marking with help of distance compensation mechanism. (4mm distance comp.)

Almost wear free carbide marking needle

Can be used at low rpm if machine doesn't support non rotating axis movement.

Simple usage no installation.

Deburring tools for CNC machining and for Robotic Applications. They are designed to automatically deburr workpieces with undefined edges. The differences between programmed and actual workpiece contours are compensated automatically.

