



High-pressure cleaning tool for machining center PAT.P

for BT30

Boost *Master* BMA

NEW

CHANGING THE STANDARD IN THE MACHINING PROCESS.

Increased pressure and spray of coolant.
ATC compatible high pressure cleaning tool.

Add a workpiece cleaning function to
your BT30 small machining center!



See Boost Master
in action!

MAX
15MPa
(Continuous operation)

Increased pressure and spray of coolant. ATC compatible high pressure cleaning tool.

Remove chips with precision aim.

Remove chips in 0.5 sec (Dia.7, depth 100 mm).

Consolidate operations and improve work.

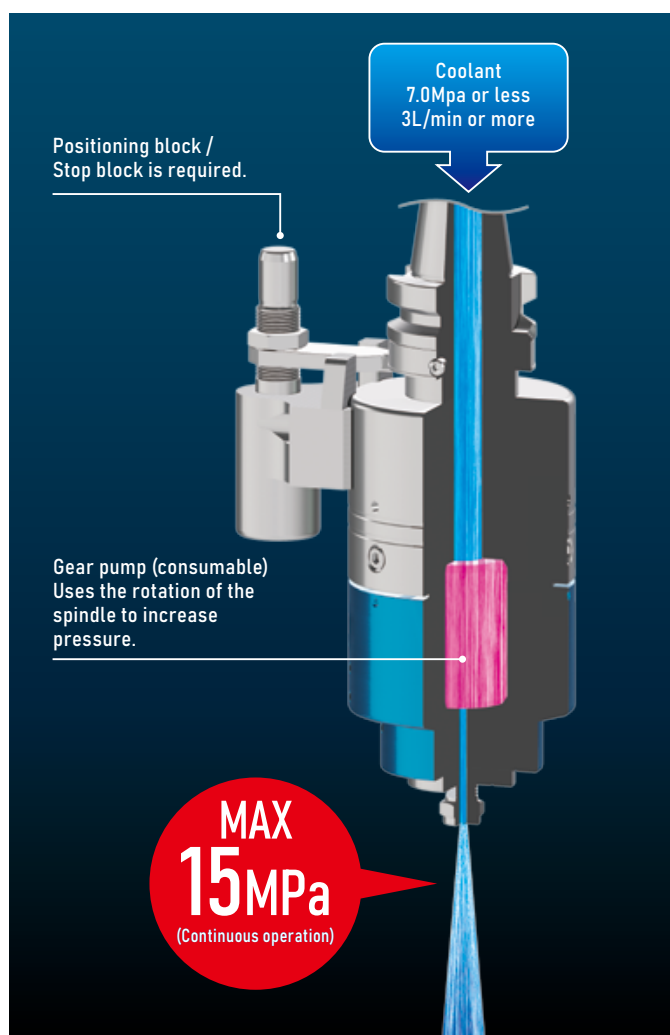
No need for high pressure washing machines, Machines are not left idle.

Implement energy and space saving.

There is no requirement for an extra high-pressure pump or cooling device.



Mechanisms



Specifications

Recommended Application Environment

Input (M/C output)	Recommended Rotation Speed *1	6,000min ⁻¹
	Coolant filtration filter	10μm or less is recommended.

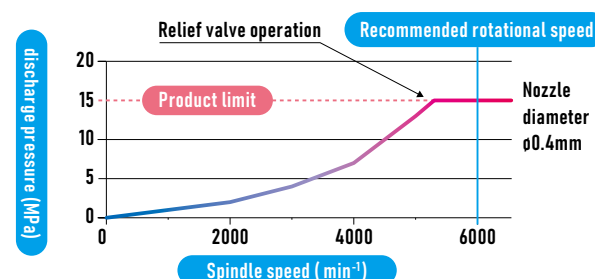
Oil skimmer or other oil removal equipment is recommended.

Do not use this product on machines that process castings. Casting powder in the coolant may significantly reduce the product life.

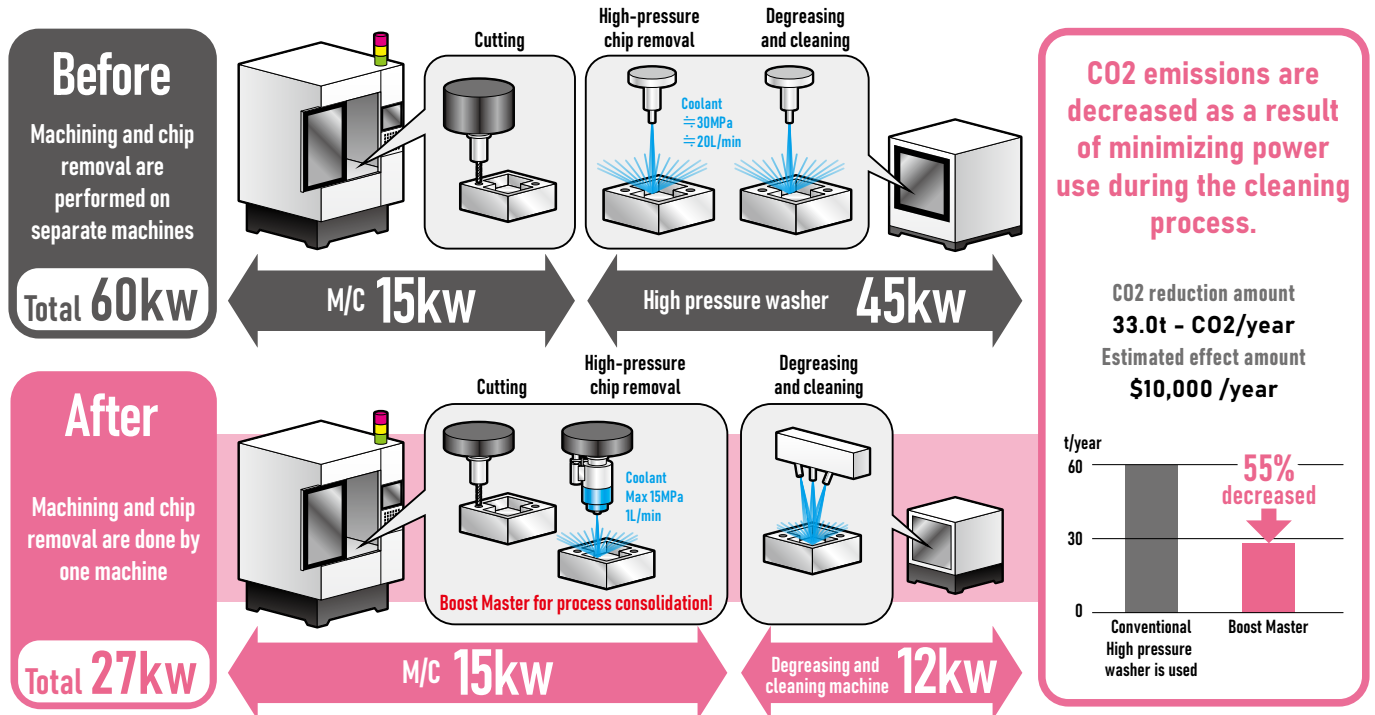
Specifications (standard specifications)

Input (M/C output)	Coolant input pressure	7.0MPa or less
	Coolant inflow rate	3L/min or more
	Coolant temperature	40°C or less
Output	Max. coolant discharge pressure	15MPa
	Discharge flow rate (at 15MPa)	1.23L/min
	Standard nozzle hole diameter	0.4 mm
Other	Coolant used	Water-soluble only (Dilution density 10 % or less)

Spindle speed and discharge pressure

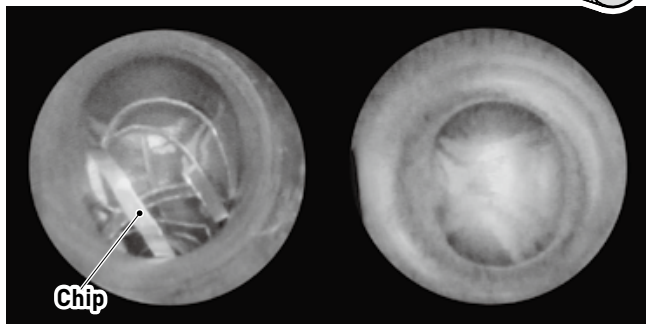
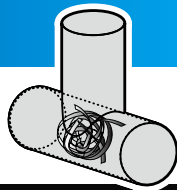


Example 1



Example 2

Remove chips from cross-drilled holes with M/C integration.
No longer a manual operation.

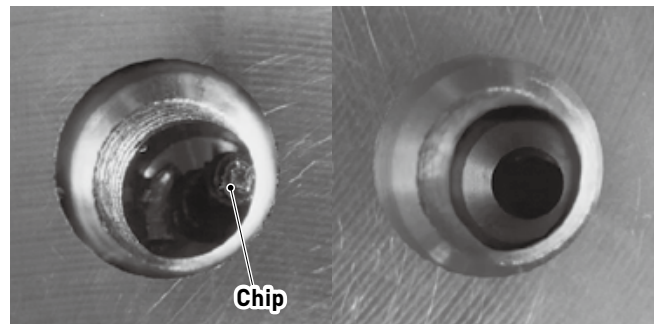


Before

After

Example 3

Remove chips from bottom tap holes with M/C integration. No longer a manual operation.



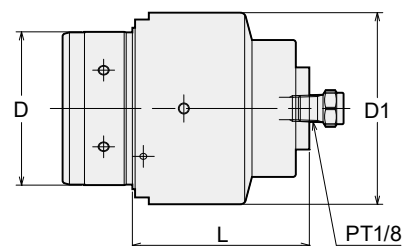
Before

After

Example of special products



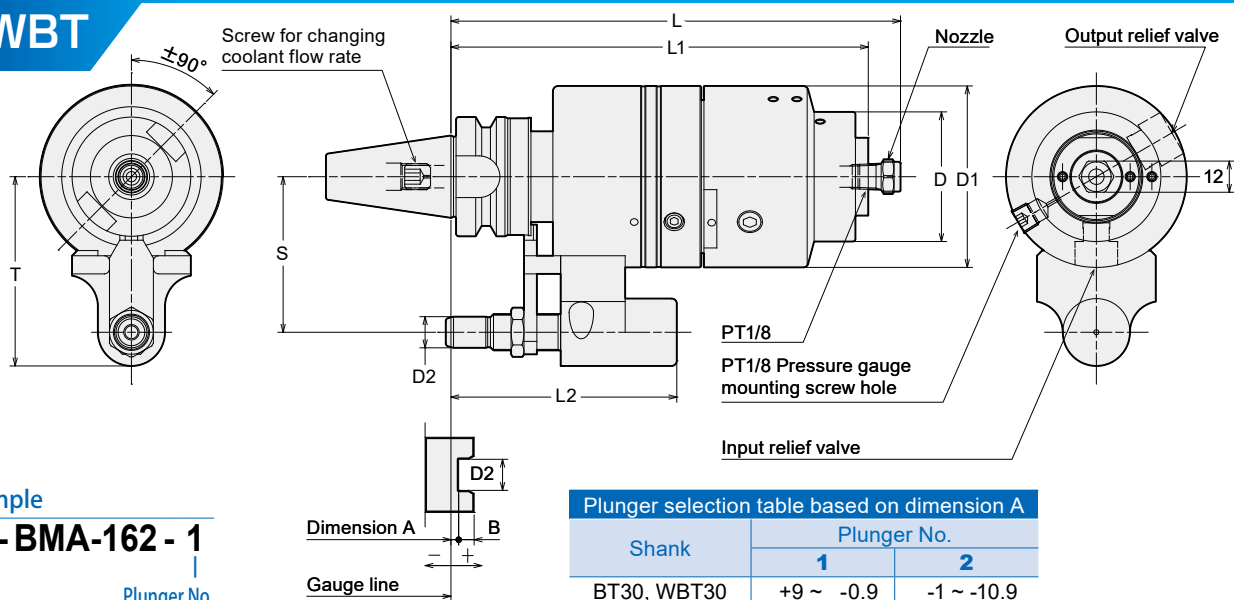
Replacement pump unit



Code	Model	D	D1	L	Nozzle diameter
2974 00101001	BMA-GP-1	56	70	64.5	0.4

The pump unit is a consumable item. Use a replacement pump unit as needed.

BT, WBT



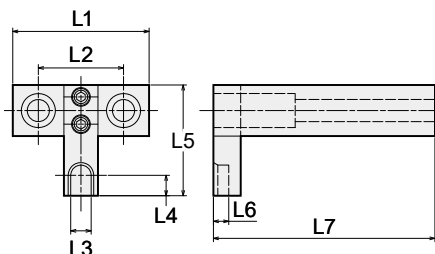
BT Shank		WBT Shank		D	D1	D2	L	L1	L2	S	T	B	Standard nozzle diameter	kg
2970 0011162 ※	BT30-BMA-162- ※	3380 0011162 ※	WBT30-BMA-162- ※	50	70	12	(174)	162	88	60	73	6	0.4	2.5

1. The pump unit is a consumable item. Use a replacement pump unit as needed.
2. When ordering, enter the product code and the plunger No. in the * section of the model number.
3. If the input pressure exceeds 1.5MPa, install the additional flow throttle valve (Included in the box).

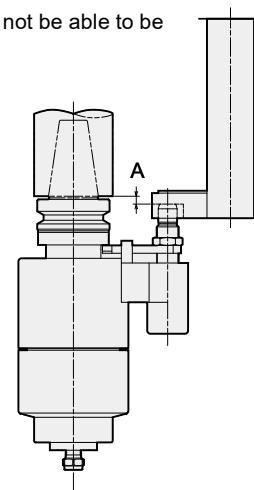
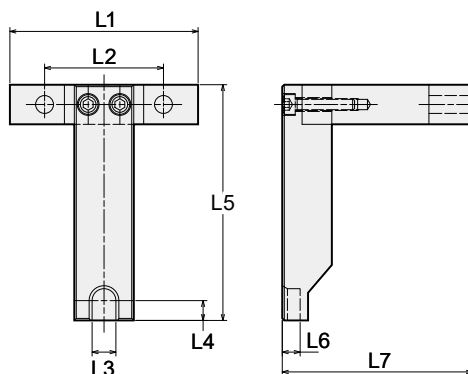
Positioning Block

Depending on the machine specifications, the positioning block may not be able to be installed. Please check with the machine manufacturer in advance.

Type1



Type2



Code	Model	Supported M/C Manufacturer	Model	Type	L1	L2	L3 ^{+0.03} _{-0.01}	L4	L5	L6	L7	A	Mounting Bolts
3170 01010312	IGB-BMA-FANUC-12-1	FANUC	ROBODRILL	1	80	50	12	14	65	9	130	3	M12X100
3170 02010312	IGB-BMA-BROTHER-12-1	Brother	S300Xd1 S500Xd1 S700Xd1 U500Xd1 SX1 SX2 W1000Xd1	2	95	60	12	11	120	9	96	9	M8X35
3170 02020312	IGB-BMA-BROTHER-12-2	Brother	RX1 R450Xd1 R650Xd1	2	105	75	12	11	129	9	116	9	M10X35
3170 02030312	IGB-BMA-BROTHER-12-3	Brother	F600X1	2	80	30	12	11	142	9	167.5	9	M6X30

NT TOOL CORPORATION

2023.06.v2

TECHNO MAIL technomail@nttool.co.jp For techical question, please contact us by technomail.

NT TOOL CORPORATION (HEAD OFFICE) : en.nttool.com
NT USA CORPORATION (OFFICE) : www.nttoolusa.com

NT TOOL EUROPE GmbH (OFFICE) : www.nttooleurope.com
NT TOOL THAI CO., LTD. (OFFICE) : nttoolthai.com

NT TOOL DE MEXICO S.A. DE C.V. (OFFICE) : www.nttool.com.mx