



AIR COOLING KIT FOR LATHES AND MACHINE TOOLS

The pressurized, concentrated air subtracts large amounts of heat in the tools and in the pieces during machining, lowering the temperature and then increasing tools life, in a cleanly way. Consequently the operating costs of conventional machine tools and CNC are optimized on annual basis.

Compressed air pressures in the range **2 bar/8 bar (30 psi/120 psi)** give great cooling results with the right installation air nozzle set solutions, in the larger number of machine tools.

There are several advantages to consider the substitution of the existing liquid cooling with a compressed air cooling in your CNC machines:

- all machined parts are absolutely clean and dry when come out your machine
- no need, no costs for operations to clean and dry the just manufactured parts, thus are immediately available to be packaged and shipped.
- tools big manufacturer in 130 countries claims 15% the available cost saving on each manufactured part.
- no dust or oil traces in the machine internal vanes
- no liquids to be managed when needed, with lost time and expenses related
- no spaces, recipients, machines needed to stock/manage new and exhaust coolants
- no dangerous vapors, fumes or coolant contacts with operators, improving work conditions
- more value for your cleaned scraps amount when you will sale it
- no risks and production delays/damages for cooling system default, because there are no parts with possible wearing
- no toxicity in coolant fluids, no water needed, air is an environment friendly solution
- no corrosion and no wet in machined materials
- high energy to move the chips out of the way of the machine tool cutter
- focused compressed air to eliminate the Shock Cooling micro-crackings generated by water in carbide tools
- small amount of compressed air to obtain great cooling results
- no fire risk on the CN machine tools due to fire triggering of oils during processing

Materials and production are all strictly of West Europe origin, with certificates available.

Therefore Spraytecs has considered to make available to the largest number of machine tools users the advantages of the machining air-cooling starting from the simplest machine tool to the CN machine centers and made two simple basic kits, to be easy installed on a generic machine tool.

Spraytecs has also created specific kits for a list of machine tools, an is expanding range to satisfy different technical cases.

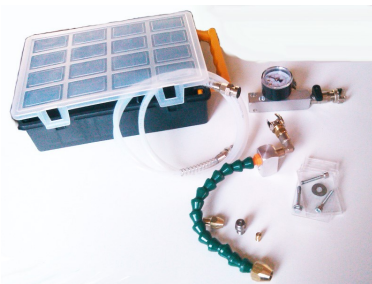
The cooling performance of tools and workpieces in the normal machining of iron and steels are excellent just with a pressure of 2 bars, while 5-8 bar are recommended for the heavier workings, in holes and tunnels with steels of remarkable hardness such as AISI 316 , AISI 430, and so on.



The kits are ready to install. The brackets are designed for a fastening screw in M5 threaded holes in the machine tool.

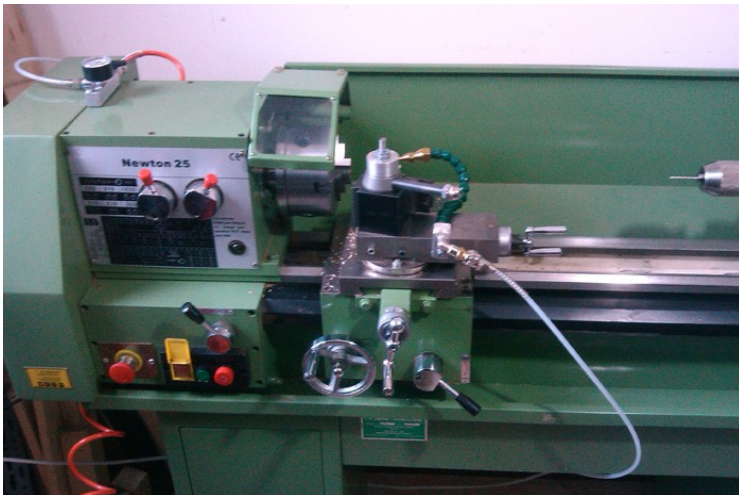
COOLING KIT "LIGHT" FOR LATHES AND MACHINE TOOLS

Cooling pipe flex 25 cm
Adjustable brass nipple 1/8" male
Special adapter nipple 1/8"-M6
Adjustable brass nipple 1/8" female
Passing bracket 1/8" alluminium
Screws
Elbow fitting 1/8"
Nipple 1/8"-1/4"
Nut by hand 1/4"
White carton box package
Installation Manual
Air Nozzle BW18A120MB1
Air Nozzle BWM6A100MT1



COOLING KIT "PRO" FOR LATHES AND MACHINE TOOLS

Cooling pipe flex 25 cm
Adjustable brass nipple 1/8" male
Special adapter nipple 1/8"-M6
Adjustable brass nipple 1/8" female
Passing bracket 1/8" aluminium
Screws
Elbow fitting 1/8"
Nipple 1/8"-1/4"
Nut by hand 1/4"
Air valve 1/4" with nut
Air Manometer 12 bar
Bracket to fit air manometer and valve
Nipple 1/4" with nut
Air pipe 2.2 m with fittings
Plastic Tool Box package
Installation Manual
Air Nozzle BW18A120MB1
Air Nozzle BWM6A100MT1



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