wirutex
hi-tech tools

Turbinex

Dust Removal System

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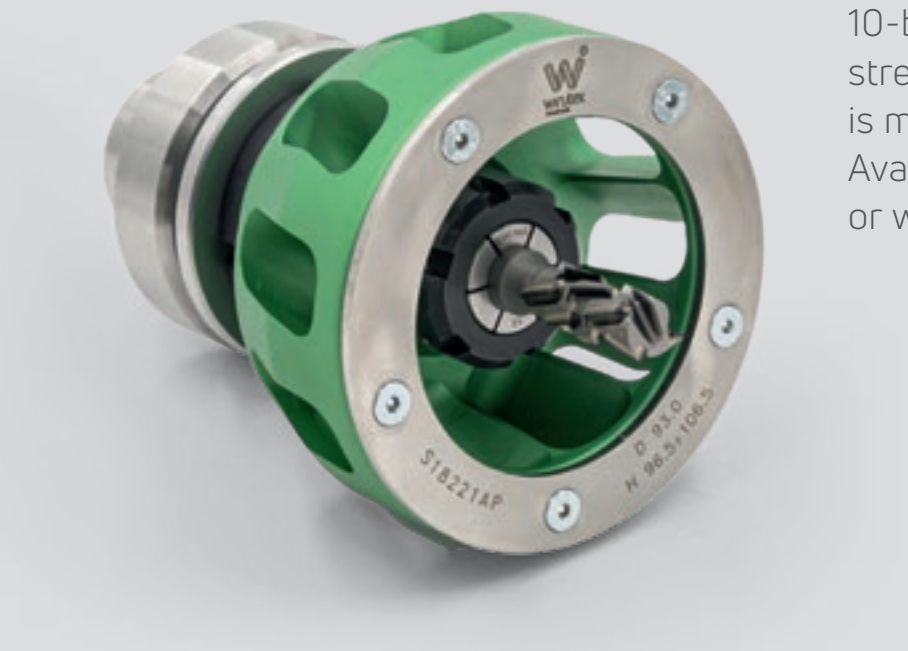
Turbinex is the turbine made by Wirutex for the **removal and suction of the dust and chips** generated during nesting and routing operations on CNC machines.

With Turbinex, dust is **captured and conveyed towards the machine's suction system**. This not only helps maintain a **healthier working environment**, but also reduces **the risk of breakage of the tool and the electrospindle**.



Applications

It is particularly recommended for use during the machining of MDF, chipboard, plywood and composite materials.

Advantages

- Healthier working environment
- Increased tool life
- Energy savings
- Reduced machine downtime

Design

Special chuck with precision collets upon which a powerful 10-blade turbine made of high-strength anodised aluminium is mounted.
Available with standard flange or with grille.

Clamping system	Mechanical with EOC 16 precision collets
Turbine:	10 fans
Machine interface:	HSK63F – ISO30
Tool interface:	Cylindrical shank
Tool shank:	6-16 mm
Max. tool diameter:	16 mm
Turbinex diameter:	93 mm
Rpm:	Max 24,000
Balancing:	G6.3

Correct usage data

It is advisable to keep the chuck and the turbine in close proximity, in order to minimise vibration.

Turbinex must never come into contact with the panel/material being machined. The optimum recommended floating height is 3-4 mm.

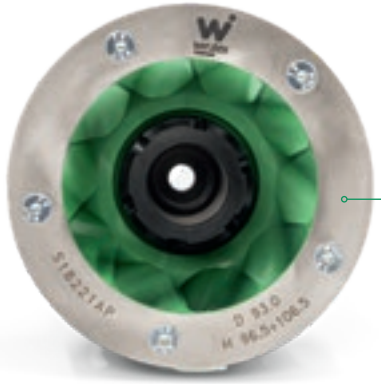
To ensure correct assembly, tighten the ring nut using the appropriate wrench.

What is the Turbinex Grille?

Turbinex is available in a version with stainless steel grille. The grille prevents larger machining chips from entering the turbine, thus helping to protect it from potential breakage, blockage or imbalance.

When is it best to use the grille?
Wirutex recommends using the Turbinex grille on CNC machining centres with support panel, and above all when carrying out nesting operations on MDF or chipboard panels.

Grille
stainless steel



Flange
stainless steel

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