Milenyum Conveyor

Revision 2026-11

TECHNICAL DATASHEET

Chip Centrifuge VD 40

Compact chip wringer – recovers coolant from wet chips and blows the dried chips to a bin



Milenyum Conveyor Makina Sanayi ve Ticaret Ltd. Şti.
Pazarsuyu Köyü 2, OSB Mevkii, 5. Cadde No:23, 28100 Bulancak / Giresun
Türkiye

+90 539 507 38 28
info@milenyumconveyor.com
www.milenyumconveyor.com

1. Description

The VD 40 metal chip wringer is a compact chip centrifuge. It recovers coolant by centrifuging wet metal chips and at the same time conveys the dried chips by blowing them to a distant bin. In one step it dries and conveys the swarf and collects the recovered coolant in a tank – a smart and simple solution for applications with a limited amount of swarf and coolant.

The centrifuge is very compact and robust and needs very little floor space; it fits under a normal machine tool conveyor. The blowing action eliminates the need for an output conveyor. Chips are removed continuously from the machining area, which stays clean. It is ideal for high-speed chip removal at machining centres and other highly productive machines.

2. How it works

Short wet chips with a maximum length of 20–30 mm are fed into the inlet by a chip conveyor. Bar ends and long chips can be screened out with an optional bar-end separator. The chips enter the centre of the bowl and are moved upwards at high rotating speed. A wedge-wire screen surrounds the bowl: the liquid passes through the screen, while the dry chips are thrown out through the outlet tube at high speed generated by the vanes. The chips are collected in a bin and the coolant in a tank, from where it is pumped back to your existing coolant tank.

3. Applications

The wringer can be placed directly at the machine tool, after the machine conveyor, and takes less space than a normal swarf bin. It can also be part of a compact swarf bin or of a swarf processing system with feed conveyors, bar-end separators and other equipment. Its compact, solid design with vibration mounts makes it quiet in operation. An interlocked inspection lid gives easy access to the drum for inspection and service.

4. Technical data

Model	VD 40
Motor power	4 kW
Floor area	700 × 850 mm
Height	1350 mm
Chip length at inlet	max. 20–30 mm
Residual moisture of chips	1–3 %
Capacity	100–300 kg/h
Pneumatic conveying distance	approx. 5–10 m (depending on elevation)
Operation	fully automatic, no manual intervention required

5. Features

- Triangular-section, highly wear-resistant chrome screen and conical chamber
- Hardox body resistant to intensive wear
- Dodge shaft bearings and vibration dampers
- Separates metal chips from coolant and recovers the coolant held in the chips
- Recovered coolant is pumped to your existing tank
- Very compact and robust – no output chip conveyor needed
- Ideal for high-speed chip removal, quiet in operation



Bowl and screen



VD 40 chip centrifuge

Milenyum Conveyor Makina Sanayi ve Ticaret Ltd. Şti.
Pazarsuyu Köyü 2, OSB Mevkii, 5. Cadde No:23, 28100 Bulancak / Giresun, Türkiye
Phone: +90 539 507 38 28 · info@milenyumconveyor.com · www.milenyumconveyor.com