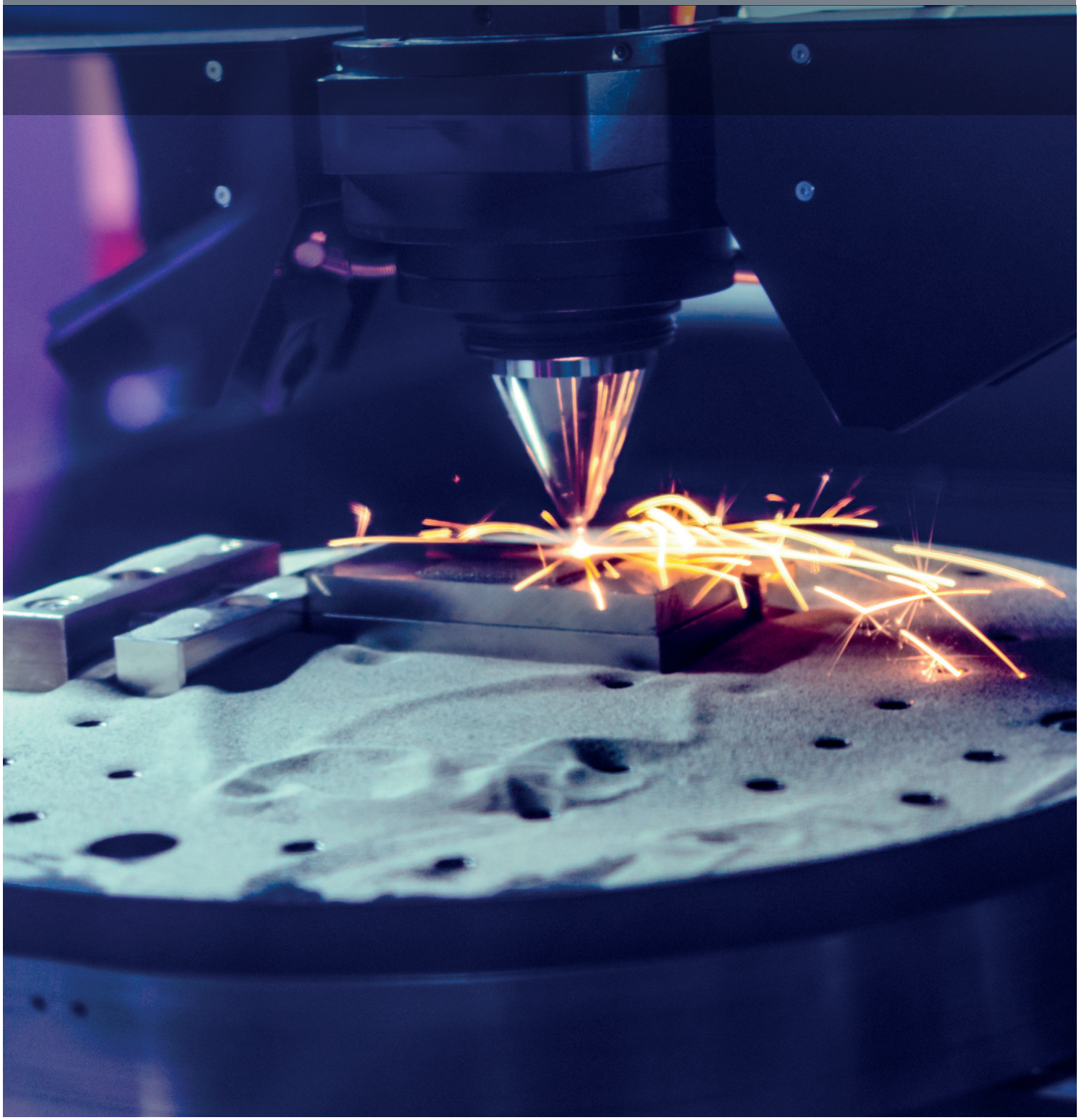
Iron & Metal - Additive manufacturing

Industrial vacuuming solutions for additive manufacturing



Nilfisk®

A safer process from start to finish

The industrial vacuum cleaner is an important asset in additive manufacturing, mainly during cycle changeovers and at the end of the process. Nilfisk has designed a specific range of solutions for this industry, all of which are third-party certified in compliance with the strictest European and American regulations.

THE BENEFITS

- **OPTIMAL PRODUCT QUALITY** No cross-contamination
- **MAXIMUM OPERATOR SAFETY** No exposure to hazardous dust
- **MINIMAL EXPLOSION RISK SAFETY** Total containment of combustible dust

WHY CHOOSE NILFISK?

Technical expertise isn't the only advantage driving our solutions. We work to identify appropriate solutions, and ideal configurations, by taking into account the specific criteria and conditions of every production environment.

AN INDUSTRIAL VACUUM TO MATCH YOUR NEEDS

TYPE OF DUST TO COLLECT

TOXIC DUST	COMBUSTIBLE DUST (St1, St2)	COMBUSTIBLE DUST (St3)

TECHNICAL FEATURES

HEPA	HEPA ATEX/HAZLOC	HEPA ATEX/HAZLOC/UL IMMERSION SEPARATOR*
↓	↓	↓

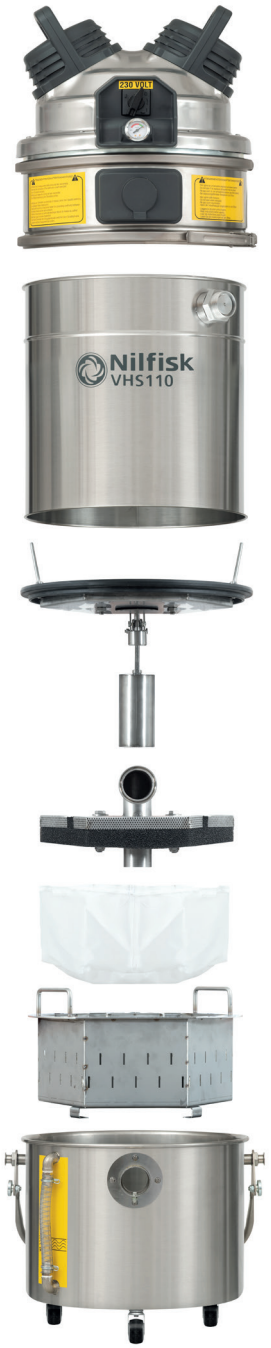
BENEFIT

HEALTH	PROTECTION	SAFETY

*Immersion separator for St3-class hazardous dust

AN EXTRAORDINARY COMBINATION

PLUS + SAFE EASY COMPACT



+SAFE

With a Nilfisk immersion separator, metal dust is **immediately neutralized** by submergence into inert liquid - either mineral oil or water.

Liquid levels are easy to monitor. In the event that too little liquid is present to ensure proper functionality and safety, an internal floater ceases automatically the suction.

+EASY TO USE AND MAINTAIN

Unlike other systems currently available, Nilfisk immersion-separator solutions are designed with a focus on **simple, frequent operation.**

All muddy residual metal powder is separated from the inert liquid by a filter placed within the separator's basket. Filtered liquid can be then discharged and recycled, through the ball valve below the container.

Maintenance is quick and easy, whether performed monthly or upon reaching the maximum recommended level of operation indicated. The basket is easily removeable thanks to its handy lifting system.

+COMPACT

Since the immersion separator is fully integrated into the container, the system is extremely compact. Its low weight and wheels allow for transport and placement anywhere within a production facility, including the smaller lab areas typical of additive manufacturing production environments.

Nilfisk S.p.A. a socio unico
Via Porrettana, 1991 - 41059 Zocca, (Modena) - Italy
Tel. +39 059 9730000 - Fax +39 059 9730065
industrial-vacuum@nilfisk.com
www.nilfisk.com