



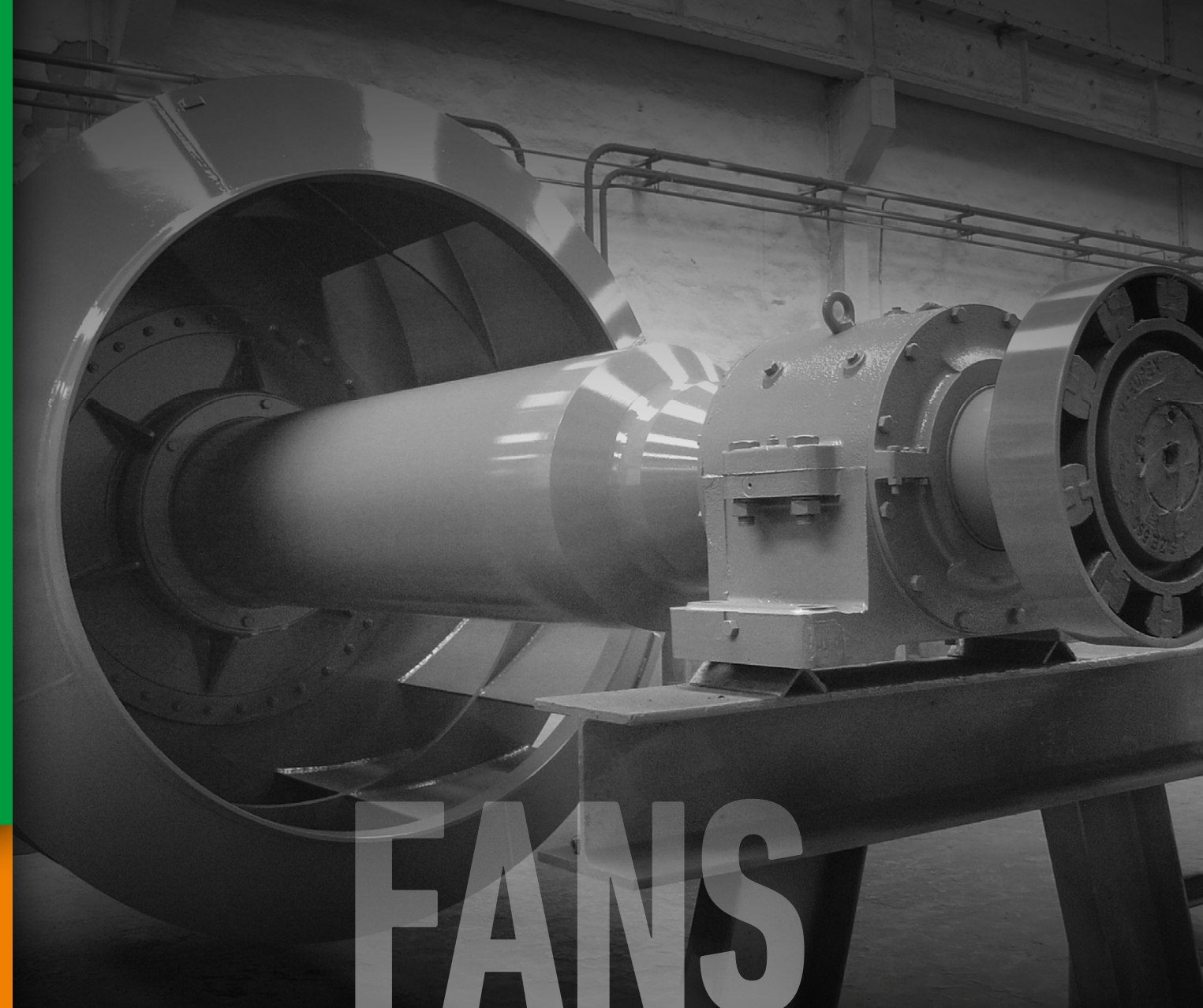
+ 10,000
machines supplied



30
Countries



More than
70 years
of tradition





HEAVY INDUSTRY AND METALLURGY




ZVVZ MACHINERY, a.s.

 Sažínova 888, Milevsko, 399 01

 fans@zvvz.cz

 +420 382 551 111

 www.zvvz.cz



ZVVZ MACHINERY
Member of ZVVZ GROUP



ZVVZ MACHINERY
Member of ZVVZ GROUP



experience in the harsh conditions of heavy industry, ZVVZ designed machines that, with their robust design, use of quality materials and the latest knowledge in the field of surface treatment, work reliably throughout their long life in such demanding operating conditions. Of course, the technological design of the machine is not considered regardless of its ventilation performance. In the first place, the energy efficiency of the fan operation, and thus the cost-effective operation of the entire air-conditioning system is always ensured.

Heavy industry generally represents a very wide range of working conditions for which there is no single technical solution or one universal type of fan. For this reason, each application is carefully prepared by a team of specialists in the fields of materials, flexibility and strength, aerodynamics and acoustics. Each fan manufactured in ZVVZ is therefore a unique technical solution to a set of specific requirements of each customer. Thanks to this, ZVVZ fans can work with various, more or less aggressive, abrasive or

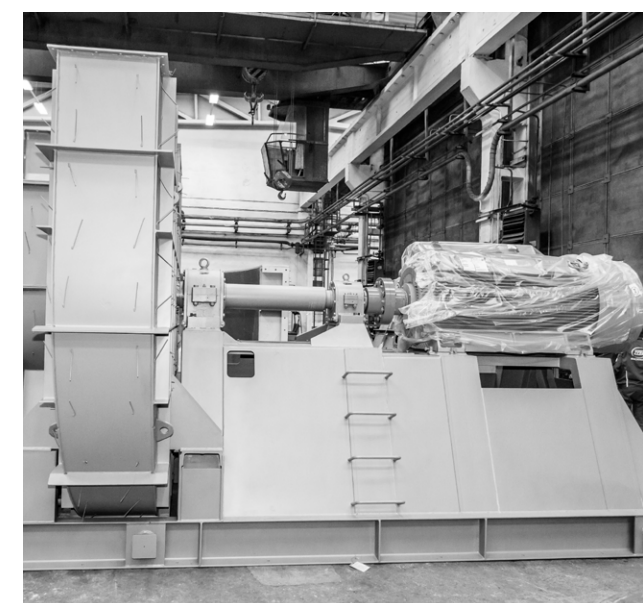


HEAVY INDUSTRY AND METALLURGY

SINCE ITS ESTABLISHMENT, WHEN THE RENEWAL AND MASSIVE DEVELOPMENT OF HEAVY INDUSTRY IN CZECHOSLOVAKIA TOOK PLACE, ZVVZ HAD TO FACE DIFFICULTIES ASSOCIATED WITH THE DEPLOYMENT OF TECHNICALLY EXTREMELY STRESSED FANS IN THE MARGINAL WORKING CONDITIONS OF ALL KEY INDUSTRIES.

ZVVZ's successful solutions of the air conditioning issues of the Czechoslovak industry soon crossed the borders of the national economy, and the experience of ZVVZ's experts was richly supplemented throughout its history in various applications of fans in heavy industry worldwide.

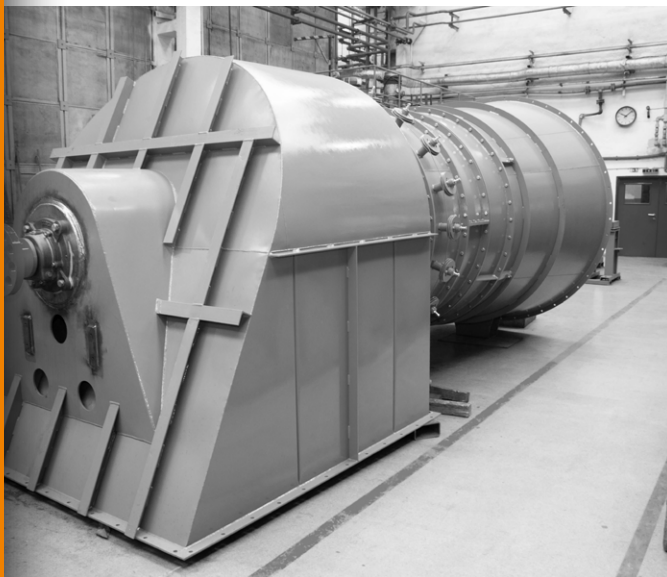
Today, as before, the requirements for modern industrial fans are as diverse as their areas of application. Thanks to years of the fans operation



explosive air, in almost any industry from metallurgical plants, through cement plants and petrochemical plants, to waste incineration processes, agglomeration dedusting, urea granulation, hop drying, etc.

Axial mixed flow fans, almost the only supplier of which is currently ZVVZ, are a long-standing speciality of the field. Undoubtedly, their biggest advantages include structural simplicity, technical maintenance and favourable acquisition costs.

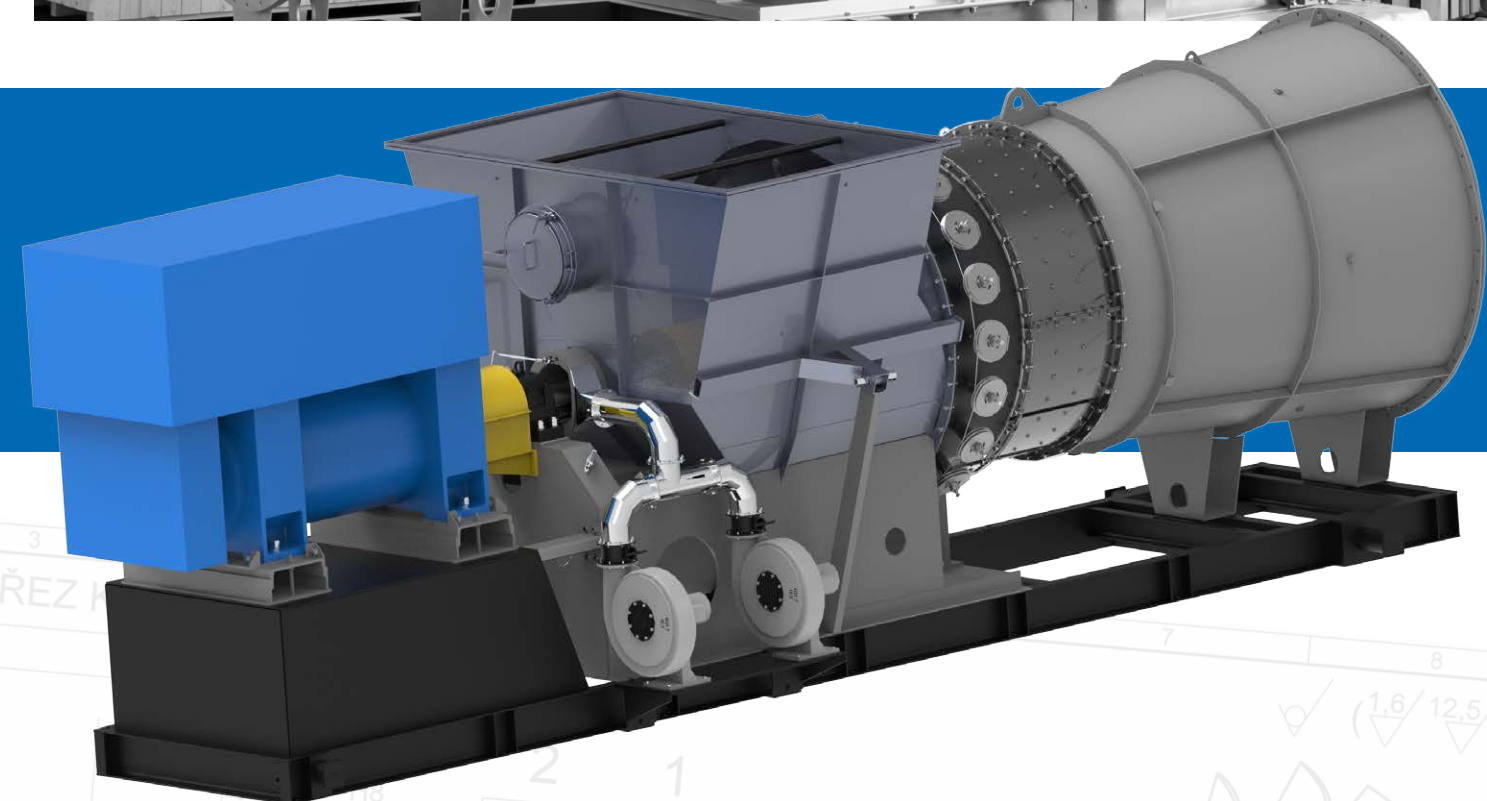
A high level of processing is ensured by strict adherence to technological procedures and strict internal control of processing quality. For our fans, we offer sophisticated acoustic insulation solutions not only to ensure the hygiene of the operator's work environment, so our fans do not increase the noise load of their surroundings.



AXIAL MIXED FLOW FAN

YEARS OF EXPERIENCE WITH THE OPERATION OF FANS IN HARSH CONDITIONS IN ALL BRANCHES OF HEAVY INDUSTRY HAVE LED TO DESIGNING ROBUST MIXED FLOW FANS WITH AN EXCEPTIONALLY LONG SERVICE LIFE FOR RELIABLE OPERATION. IN ADDITION, TO ENSURE CONTINUOUS OPERATION, REPLACEMENT VARIANTS OF THE ORIGINAL MIXED FLOW FANS HAVE BEEN DEVELOPED, WHICH ARE OFTEN REPLACED AT PRESENT, IE AFTER MORE THAN 50 YEARS.

- › Huge air conditioning performance, high efficiency
- › High reliability
- › Low maintenance
- › Low purchase costs
- › Regulation of air conditioning performance is possible aerodynamically or using FC



- STANDARD SIZES:
710 to 4500 mm
- STANDARD TEMPERATURE OF
TRANSPORTED AIR MASS up to +250°C
- MAINTENANCE-FREE
- EXPLOSION-PROOF DESIGN
- AERODYNAMIC CONTROL



RADIAL FANS



WHETHER A SMALLER FLOW RATE IS REQUIRED AT A HIGH RESISTANCE OF THE AIR HANDLING SYSTEM OR A RELATIVELY HIGH PRESSURE NEEDS TO BE ENSURED AT A RELATIVELY HIGH FLOW RATE, ZVVZ CAN OFFER AN APPROPRIATE RADIAL-FLOW FAN THAT WILL BE ABLE TO HANDLE CUSTOMER REQUIREMENTS WITH HIGH EFFICIENCY AND OPERATIONAL RELIABILITY.

- › Resistance to working medium
- › Operating reliability
- › Easy aerodynamic regulation or use of FC
- › High efficiency



STANDARD SIZES:
530 to 3150 mm



TEMPERATURE OF TRANSPORTED
AIR MASS up to +480 °C



MAINTENANCE-FREE



EXPLOSION-PROOF DESIGN



AERODYNAMIC CONTROL