



OUR PRODUCT CONCEPT

Multi-Wing develop, produce and markets axial impellers for the global market within three segments: Ventilation, Cooling and Industrial heat exchangers.

We use an innovative system of standard, interchangeable components using a broad range of blade profiles and materials. The result: impellers designed to your specific requirements with superior performance, short lead times and competitive pricing.



OUR AIRFOIL SERIES

Our airfoil profile's twisted blade creates a broad operating range, making it suitable for everything from the most demanding engine-cooling applications to simple ventilation.

The airfoil's low power consumption saves power while reducing noise, making it a high-efficiency solution for a spectrum of cooling applications.

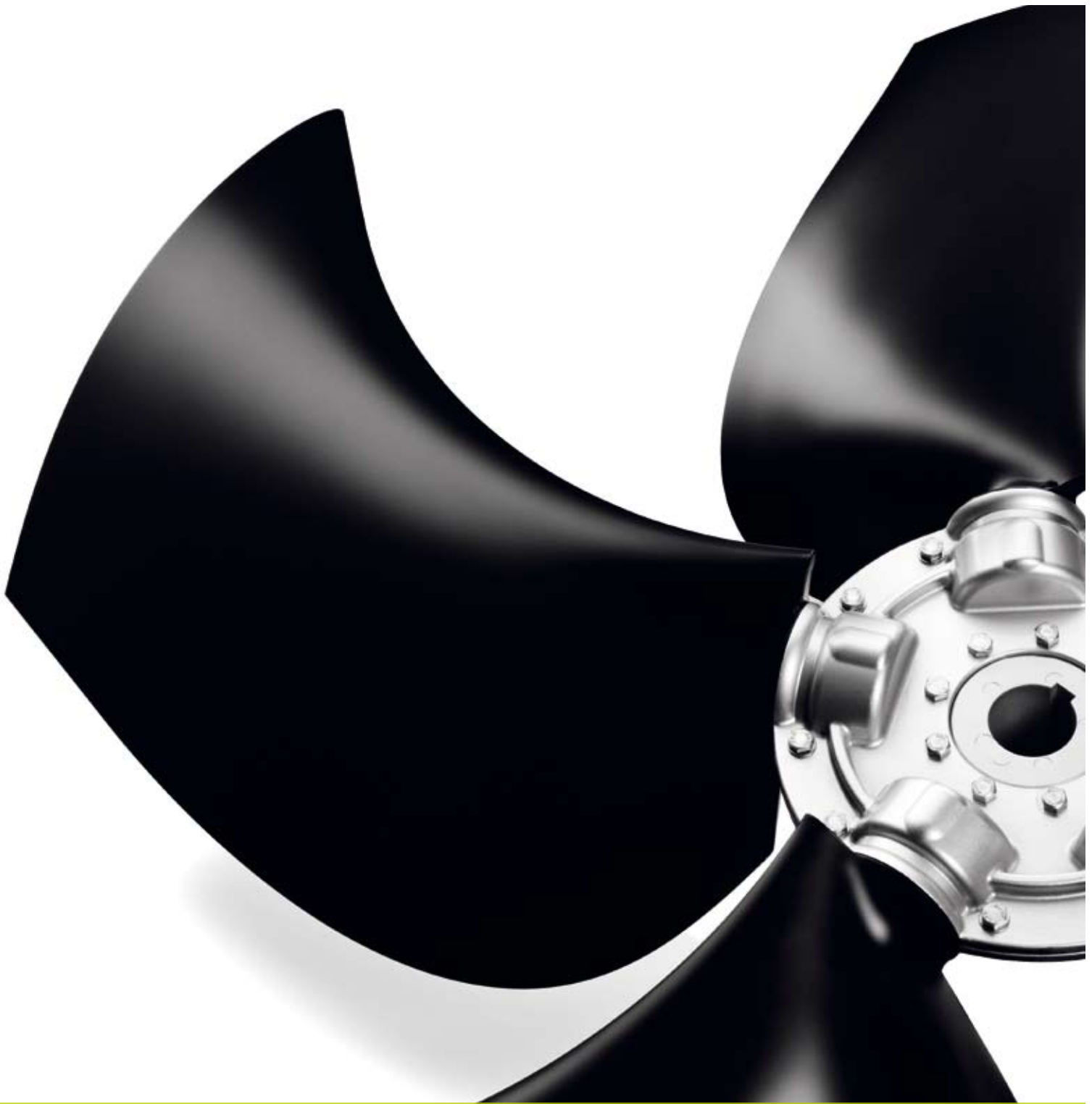
www.multi-wing.com/airfoil

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
H	222	742
Z	305	818
VK	502	720
W	400	1980
G	1616	2746

Available blades:

2H, 3H, 3Z, 4Z, 5Z, VK, 5W, 6W, 7W, 9W & 10G



OUR SICKLE SERIES

Our sickle profile blade's swept design reduces pure tones in the sound spectrum, and the blade's thin trailing edge reduces vortex shedding to generate low wake turbulence for significantly lower noise levels.

The sickle profile is a natural selection for applications requiring low noise such as refrigeration, radiator/engine cooling, and compressors, generators and construction equipment.

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
H	317	566
Z	405	895
W	550	1980

Available blades: 1H, 1Z, 2Z, 1W, 2W, 3W

www.multi-wing.com/sickle



OUR TRULY REVERSIBLE SERIES

The true reversible profile produces 100% airflow in both directions and is more efficient than standard reversible impellers. The result is a cost-effective, low-noise impeller solution.

The true reversible blade produces impressive cooling performance in rugged industrial applications including wood-drying kilns, tunnel ventilation, and radiator applications involving heavy debris such as construction, agriculture and waste management.

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
TR7Z	325	1095
TR11W	474	1446

Available blades: TR7Z, TR11W

www.multi-wing.com/reversible



OUR INCREASING ARC SERIES

The increasing arc series is the perfect solution for applications requiring high airflow and high static pressure, operating with inefficient inlet geometry - a sharp-edge inlet or large tip clearance - common in engine cooling applications.

The increasing arc profile blades' broad tip area improves impeller performance in less than ideal conditions.

www.multi-wing.com/arc

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
H	222	742
Z	305	1255

Available blades: 6H, 6Z



OUR BROAD PADDLE SERIES

The broad paddle profile produces higher pressure at low speeds due to its broad chord width. Lower operating speeds result in lower tip-speed-generated noise.

The broad paddle profile is ideal for coil applications such as oil coolers, air-cooled condensers and dry coolers.

www.multi-wing.com/broadpaddle

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
D	250	660
M	218	508
W	520	1496

Available blades: 8D, 8M, 8W



ONE-PIECE MOULDED IMPELLERS

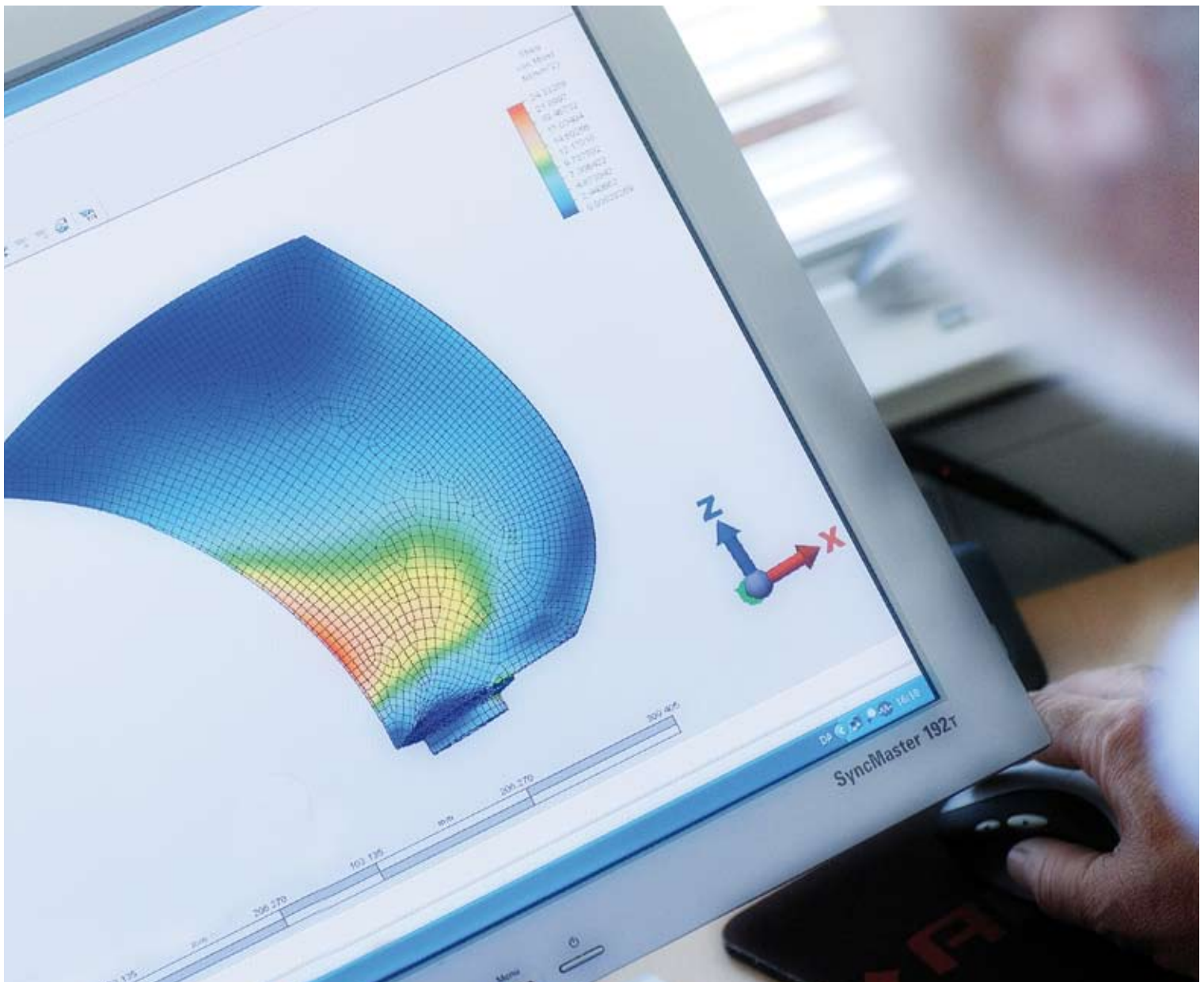
We design one-piece moulded impeller for all types of applications, ranging from ventilation and cooling to industrial heat exchanger units. The one-piece moulded impellers are 100% customised using our state-of-the-art technology and our research and development expertise.

It provides outstanding performance while reducing power consumption and noise. We develop the impellers to match exact duty points and application geometries. The result is high-tech impellers at low cost.

Diameter ranges (mm):

Impeller series	min. diameter	max. diameter
H	147	550
OPL	315	550
VK	215	720
M	218	508

Available blades: 2H, 3H, OPL, VK, 8M



OUR TECHNICAL SUPPORT

Being a know-how driven company we always try to stay ahead of the competition by meeting every technical challenge with an uncompromising attitude that stems from our values as well as the knowledge and experience we have gathered over the years.

We have divided our technical support into 6 sections:

- The wind tunnel
- Multi-Wing Optimiser
- Multi-Wing Designer
- Multi-Wing Replace
- R & D facilities
- Engineering guidance

www.multi-wing.com/technicalsupport