

Powering production.



*Thomas Vetter,
Dipl.-Physicist,
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*Michael Schlingmann,
Dipl.-Physicist,
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*Rolf Speer,
Dipl.-Physicist,
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R&D*

Real life processes – whether in nature, in industrial control applications or in commercial systems – all follow the same universal rules. Understanding and implementing them correctly enables us to continually create added value and proceeds for our customers and partners as well as for our company.

Thomas Vetter, Dipl.-Physicist

Communication at all levels ideally supports success within the company as well as between companies.

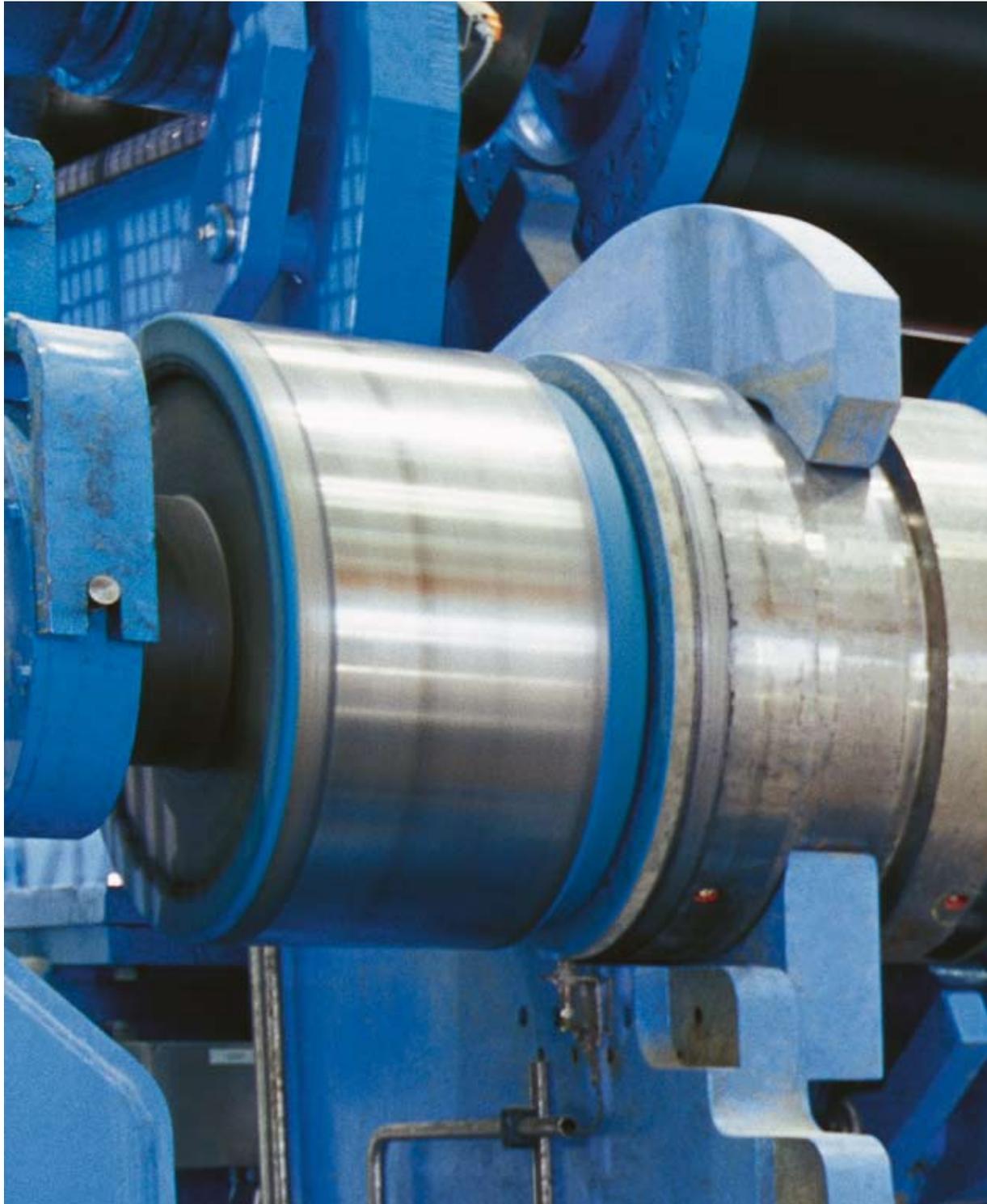
Klaus-Dieter Dünnebeil, Dipl.-Engineer

Common sense should always prevail over commercial formulas and theories.

Michael Schlingmann, Dipl.-Physicist

The synergetic use of knowledge, intelligence and intuition results in industrial applications creating more value while consuming fewer resources and less energy.

Rolf Speer, Dipl.-Physicist



The full range of electric servo drive technology up to 1.4 megawatt.

Powering production.





ARADEx stands for progress in machine technology for a broad range of applications by enhancing speed, accuracy and reliability of electric servo drive systems.

We focus on engineering, development, installation and service of highly dynamic servo drive technology for cutting edge motion requirements.

The unique ARADEx concept: Creating drive systems excelling with respect to speed, accuracy and range of functionalities that enable our customers to design outstanding electromechanical systems. During the intensive cooperation such projects require, we apply effective measures to ensure the vital know-how of our partners remains protected.

The foundation for our customer's commercial success thus securely remains within his company.

Together with and for our partners, we contribute to decisively enhancing their competitive edge.

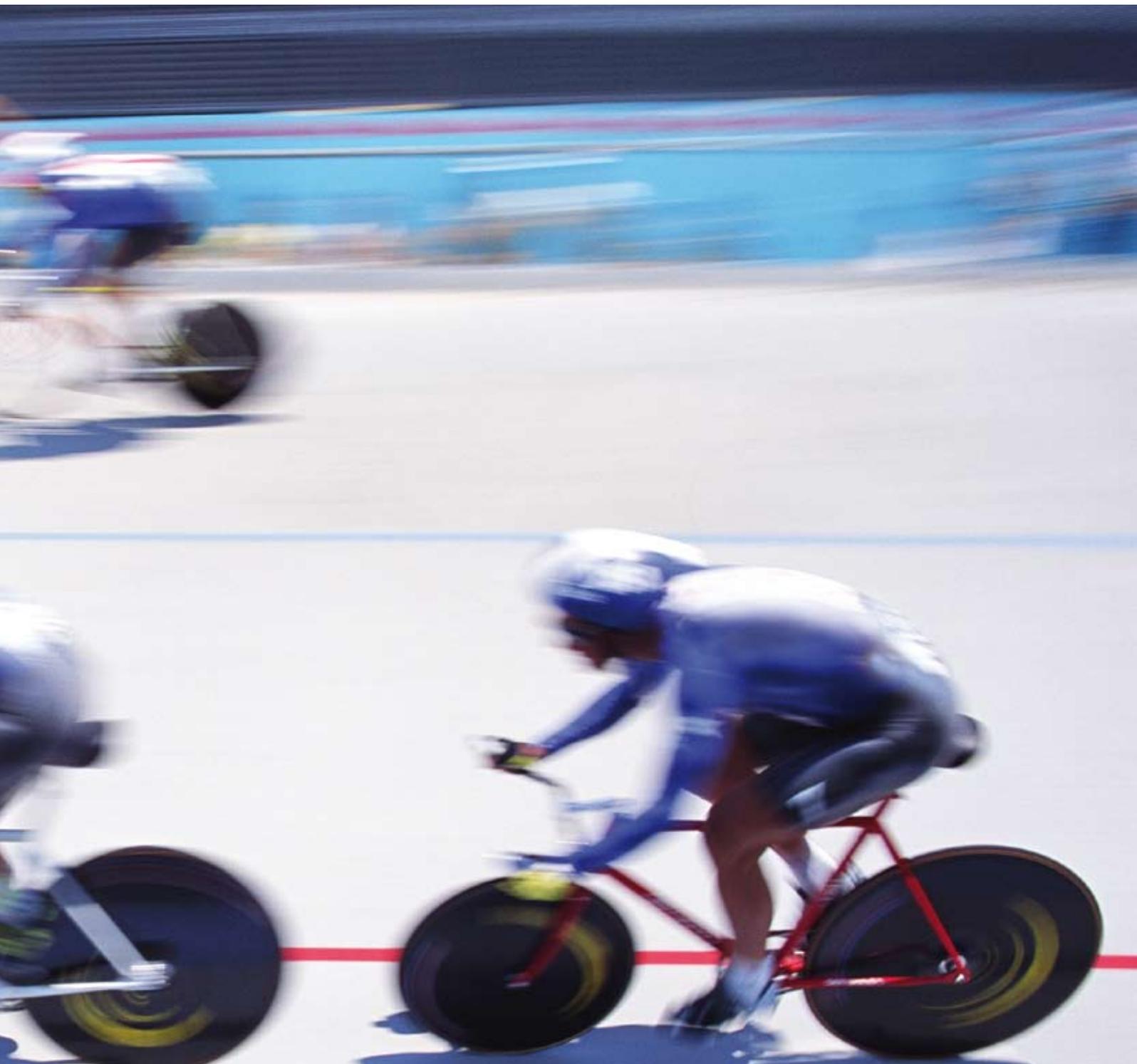
Thinking together – winning together.

thinkchron.



thinkchron stands for mutual, optimally coordinated thinking and action – a core philosophy of the people at ARADEX. Together with our customers and partners we form teams finding best solutions in the shortest possible time, resulting in substantial and sustainable advances. Optimised customer success always remains the overall guideline.

This approach is reflected in intelligent products suited to ensure the precise synchronisation of highly dynamic machine movements.



The Greek word “chronos” meaning “time” is an integral part of **think-chron**. Consequently, our philosophy encompasses a broad range of time notions.

With respect to the applications of our products, we ensure that highly dynamic motions are synchronised with other processes in the plant –

precisely right down to the single microsecond.

On the other hand, when it comes to issues such as spare parts availability, compatibility and reliability, we think very long term: An advantage our customers can rely on for decades.

Achieving impressive results with ARADEX.



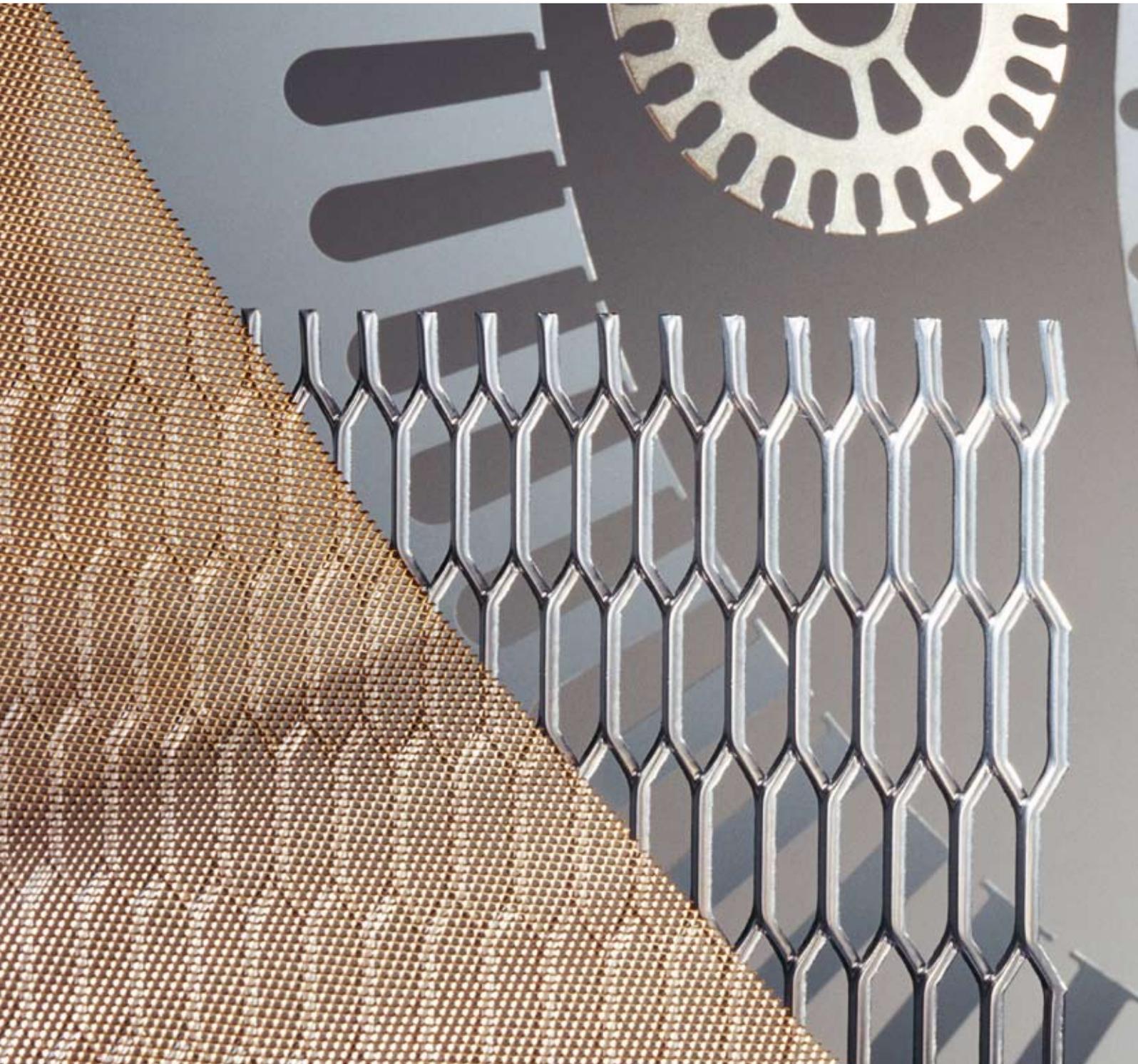
ARADEX products excel in a broad range of applications centred around **printing technology**. From the production of sheet materials through to value-adding processes such as the application of holograms, VECTODRIVE® driving systems are in continuous operation for years. The main advantages of our products are: Maximum accuracy and

synchronisation combined with the utmost possible processing speeds – and improved quality of the finished product.

Additionally, customer satisfaction is further enhanced by increased service life and reduced downtimes.

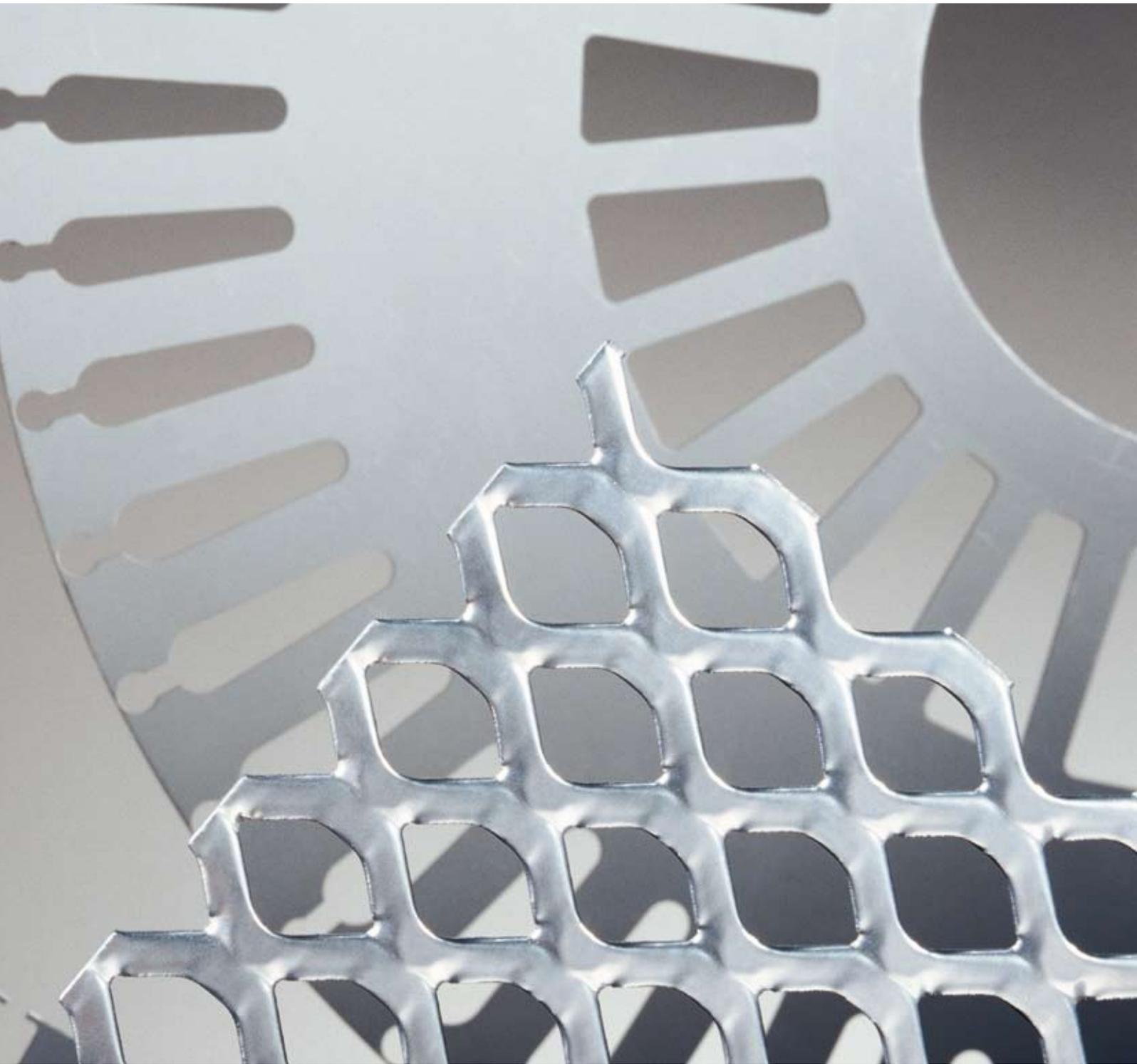


In better shape with ARADEX.

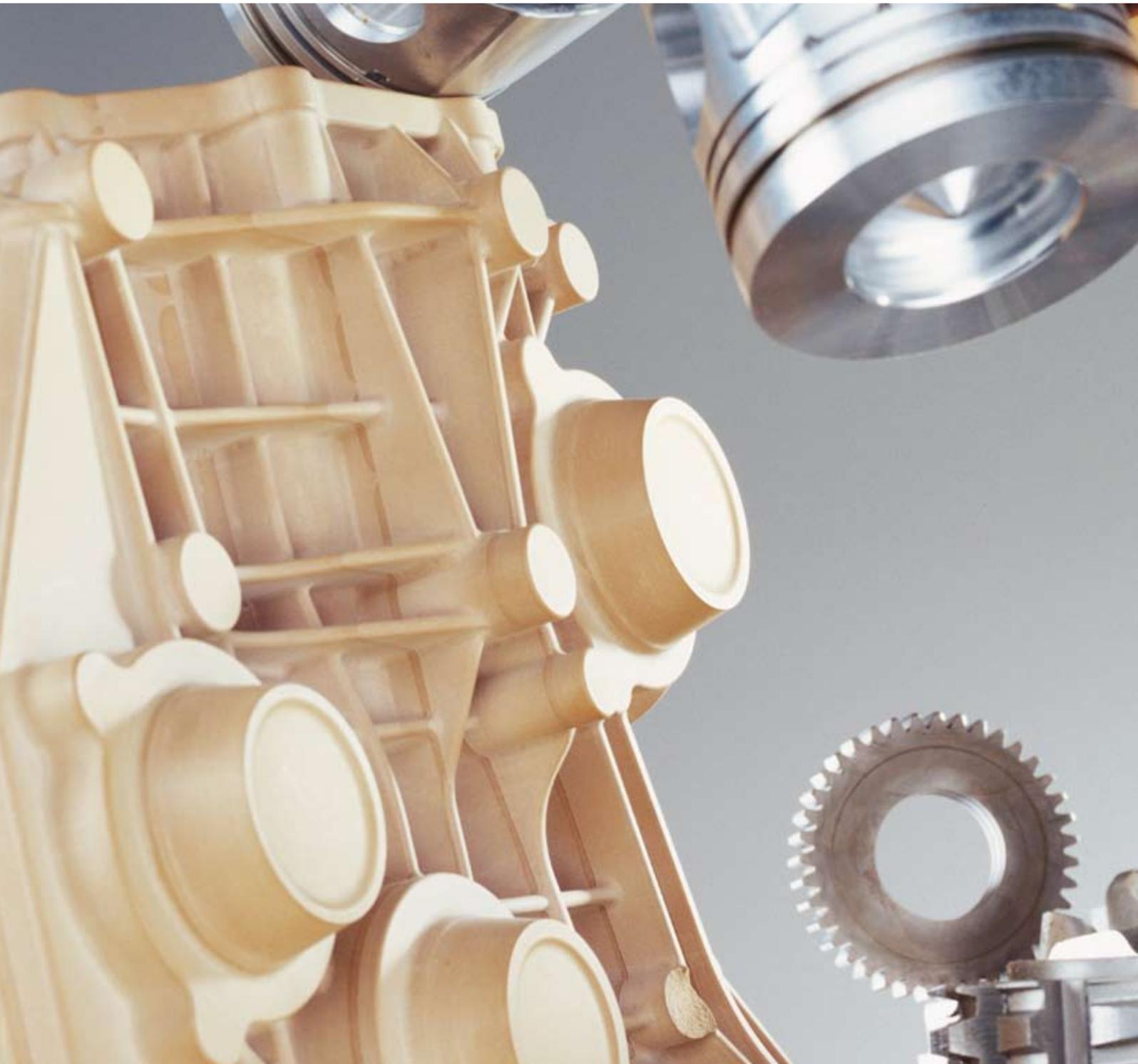


ARADEx has developed optimised solutions for **metal forming applications** – be it for forging, for highly dynamic roll feeding operations or for sophisticated 3D transfer handling systems for multi-stage presses. In such applications, our products have proven their superior sturdiness for decades.

Enhanced overall plant productivity and reliability are the twin outstanding features differentiating our systems from more conventional approaches.



ARADDEX helps in fulfilling special requirements.



Year in and year out, our technology proves its value in hundreds of **machining centres and special-purpose machines** for laser and water jet cutting, milling, turning or grinding. ARADDEX technology always meets highest stakes with respect to the combination of maximum speed with high machining accuracy.

Our system solutions cover the full bandwidth of automation equipment for high end requirements in the sector of machining and cutting. Numerous internationally renowned special-purpose machinery manufacturers rely on our products to maximize machine performance and precision.





The best drive for highest performance.

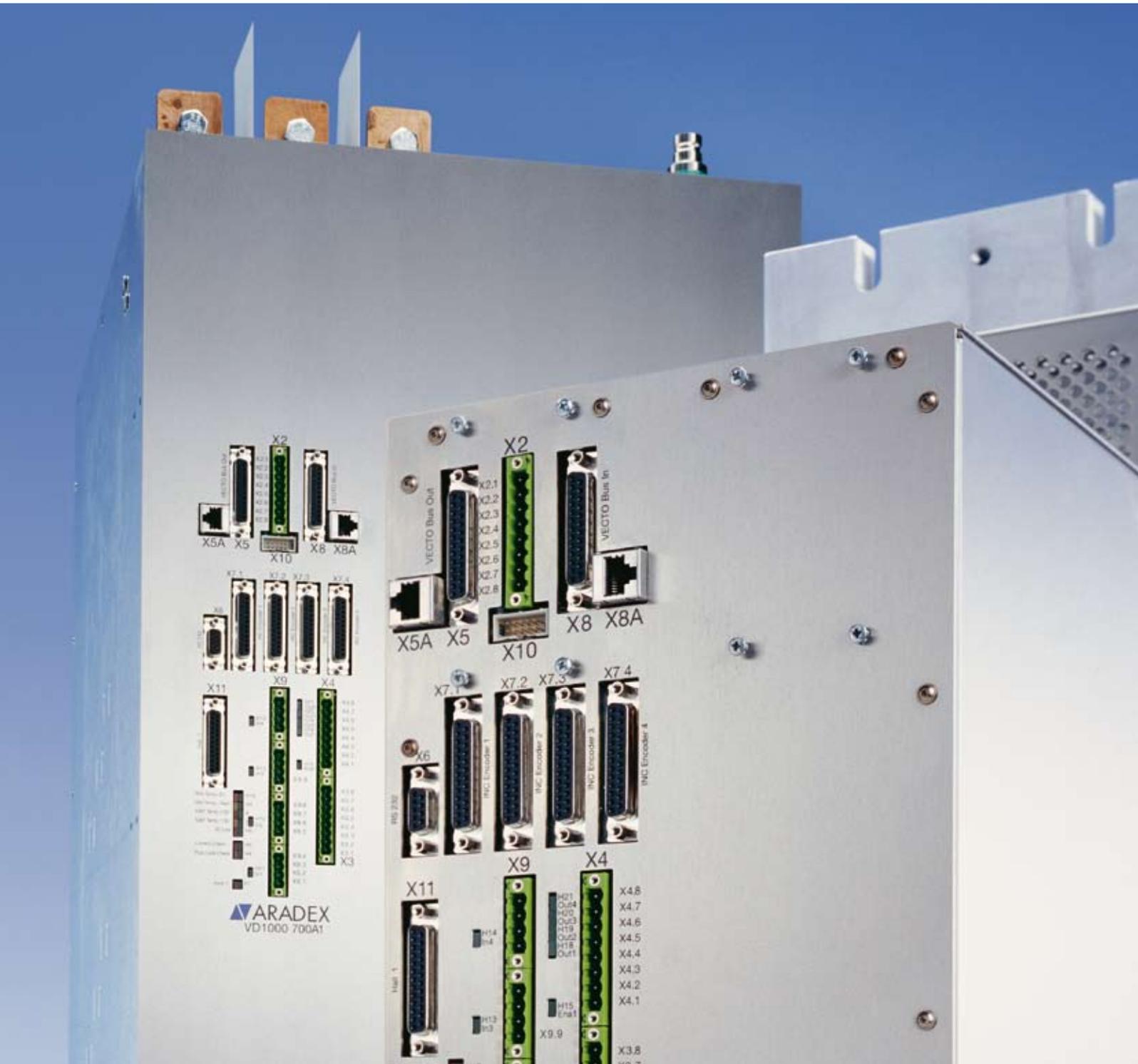


VECTODRIVE®

Our VECTODRIVE® drives were first introduced in 1991 to complement our range of fast VECTONUM® control systems. Whatever your application might be and for any power rating you require, an ARADEX drive from the VECTODRIVE® family will certainly prove to be the ideal solution.

For example VECTODRIVE® VD600 Drive systems in the power range from 10 to 250 kilowatt. Since the start of series production it has always been up to its ambitious tag of being the “fastest and best amplifiers”. This range of drives is ideal for applications involving higher power ratings in conjunction with stringent requirements with respect to precision and dynamism.

The current maximum is set by our VECTODRIVE® VD1000 series available for power ratings up to 1.4 Megawatt in synchronous as well as in asynchronous technology.



The full range of electric servo drive technology up to 1.4 megawatt.

The best drives, controls and motors from one source.

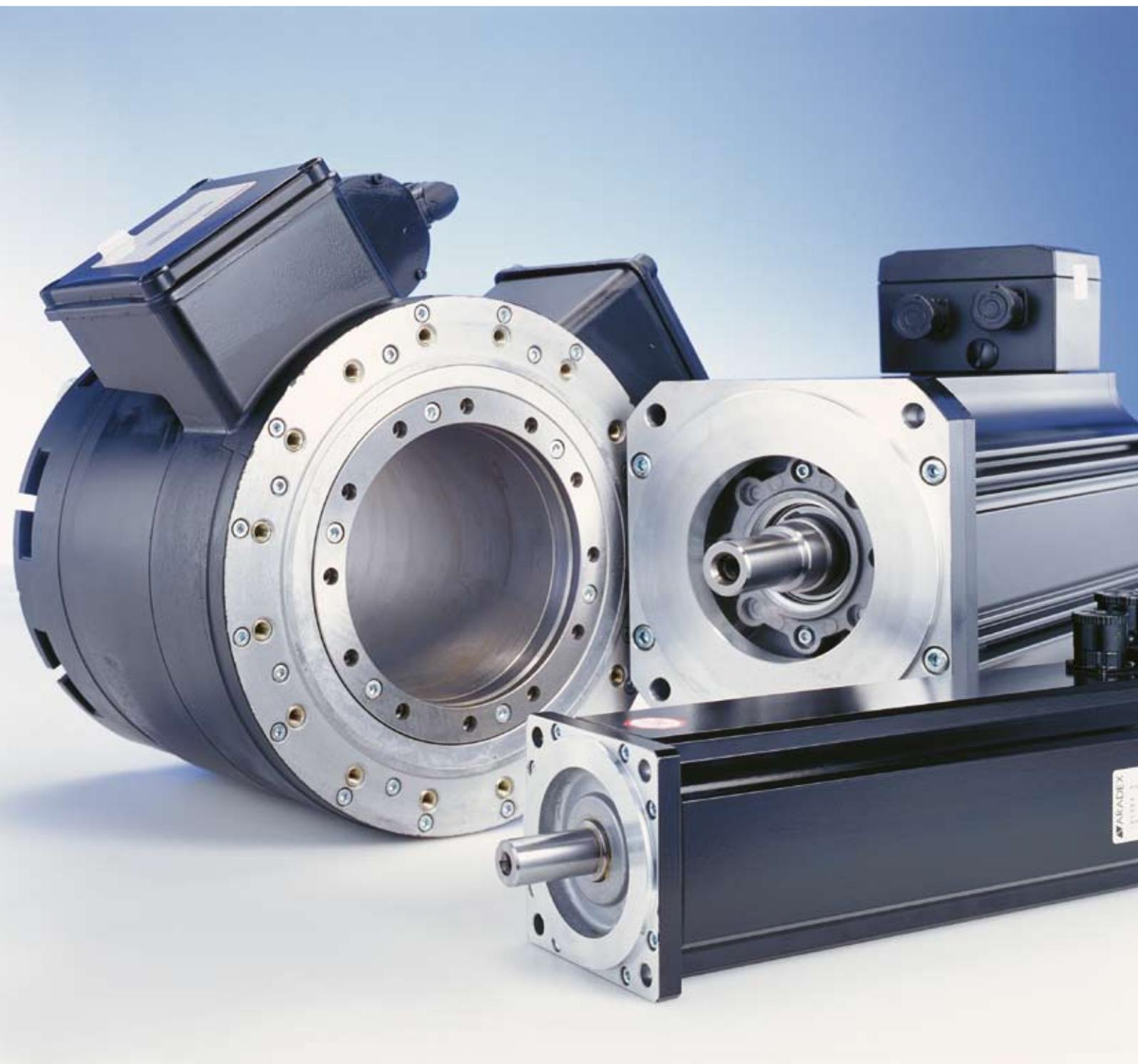


VECTONUM®



Since the very beginning of our company, high performance control systems have been a vital part of our product portfolio. Our VECTONUM® control systems meet the highest requirements of specialty machine manufacturers as well as of those producing larger series. Outstanding features of ARADEx control systems are their ultra-fast real time respon-

siveness, deterministic behaviour and highest computing performance under tough industrial conditions - decisive technological advantages our customers can count on.



ARADEx motors have been carefully designed for outmost performance with respect to synchronicity, dynamism and sturdiness. Our customers can select among four different families whose characteristics have been carefully matched to the requirements of specific application fields.

VECTODRIVE® dynamic-movement motors (VDM) are ideally suited for extremely dynamic movements and

excel especially in pressing and punching applications. If synchronicity is of particular importance, our VECTODRIVE® constant-movement motors (VCM) are the best choice. These high performance drives are especially suited for use in web processing plants such as printing machines or post-printing added value processes. The VTM series of motors feature an outstanding torque, while VLM

motors have been designed with specific focus on linear movements.

The flexible product design approach of ARADEx provides for a seamless fit of selected products into existing systems as well as for full range single source supplies.

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