

YOUR BRAND



OUR TECHNOLOGY

OEM SOLUTIONS FROM **SYCOTEC**

PROBLEM-SOLVING MEETS PARTNERSHIP



Dental applications are part of the DNA of SycoTec. We've been developing and manufacturing innovative drive and device solutions for the medical sector for over 50 years. Our products, service and competence currently make us one of the leading providers for dental requirements around the world.

A special feature of this is that SycoTec solutions appear exclusively under our customers' own labels. As an OEM, we work for you and consistently provide our expertise in the service of your brand. From the individual printing of pre-configured products to the complete development of new, customer-specific applications and solutions – everything is possible. Try us out as a development partner. Turn our technology into your success story. Details? Arrange a personal discussion to find out more.



YOU HAVE THE CHOICE

Dental and medical applications from SycoTec encompass complete solutions comprising micromotor, motor electronics and supply lines. Then there are dental hand-pieces and contra-angle pieces and turbines, care devices, extraction systems and CAD/CAM spindles. All applications meet the highest requirements for efficiency, quality, hygiene, ergonomics and availability. They offer you a large number of individualisation options – through to complete customer-specific solutions within the scope of a development partnership.

DENTAL DRIVES FROM A SINGLE SOURCE



At SycoTec, you can put together **a bespoke complete solution** from micromotor, motor electronics and matching supply lines. The components can be integrated in various ways to suit your individual requirements. Our technology offers you a high degree of flexibility.



MOTORS

Our motors are optimised for work that is free from wear and vibration and cover the entire speed range of dental treatment methods from 100 to 40,000 rpm. They can be used for hand-pieces and contra-angle pieces of all manufacturers and, despite the high power density, are amazingly light in the hand, especially the SycoSLM – with a length of 37.1 mm and weighing just 62 g, it is one of the smallest and lightest dental motors in the world.

MOTOR ELECTRONICS

The motor control can be either self-sufficient via a separate motor control unit or integrated. Integration of the motor electronics is possible in all manner of ways. For interface, controller, motor type and motor number, there are options for all applications and requirements.

In the same way, our self-sufficient motor control unit offers you comprehensive functions and **numerous individualisation options, from installing your own software to imprinting your trademark.** The device is operated via touch display and is available with endodontics function or only for preparation.



SUPPLY LINES

Supply lines from SycoTec are available in a wide range of designs. They are integrated either completely into existing treatment units or connected to the control unit by means of a quick-connect coupling. The colour and length of the hoses can be **individually adapted to customer-specific requirements, look-and-feel and design.**



PRECISE, EFFICIENT AND COST-CONSCIOUS



Modern CAD/CAM machines demand a lot from the drives used. High-frequency spindles from SycoTec are therefore much sought after, especially in the dental sector. Whether wet or dry machining, manual or automatic clamping system: Our comprehensive motor spindle program impresses with its extremely high power density and quality developed completely in-house.



Ideal for many materials

- Titanium
- Cobalt-chrome
- Zirconia
- PMMA
- Wax
- Composite (Lava™ Ultimate, VITA Enamic®...)
- Glass ceramic (IPS e.max®, VITA Suprinity®...)
- PEEK
- and others

The high power density enables fast machining of even the hardest materials with very compact spindle dimensions. With a weight of just 1 kg and speeds of up to 100,000 rpm, our motor spindle 4033, for example, has established itself as the optimum solution for chairside CAD/CAM. We also have the right spindle for larger labside machines: Depending on the motor design, up to 5,000 W of peak output are no problem. Thanks to the high efficiency of our technology, it is also possible to operate almost all SycoTec spindles at high speeds without active water cooling.

This allows a significant reduction in the total costs of your CAD/CAM machine.

Examples such as these demonstrate our decades of experience in the development and production of motor spindles, motor components and inverters. Technical competence and an above-average proportion of in-house production make us the **perfect project partner and system supplier for dental CAD/CAM drives** worldwide.

FOR CLEAN AND RELIABLE PREPARATION

SycoTec's care and cleaning devices are optimised to significantly extend the service life of high-quality dental instruments through thorough and yet careful preparation. The SycoMaint enables particular quick instrument care, while the SycoMaint smart impresses with its uniquely compact dimensions.



SYCOMAINT

The SycoMaint is an automatic care system for up to three hand-pieces, contra-angle pieces or turbines and drill collets. Its big advantage lies in its efficiency: Instrument maintenance takes just 15 seconds. Without compromising on hygiene or thoroughness.

The SycoMaint is available either painted or in stainless steel. Operating foil and laser marking or imprint can also be individually adapted.



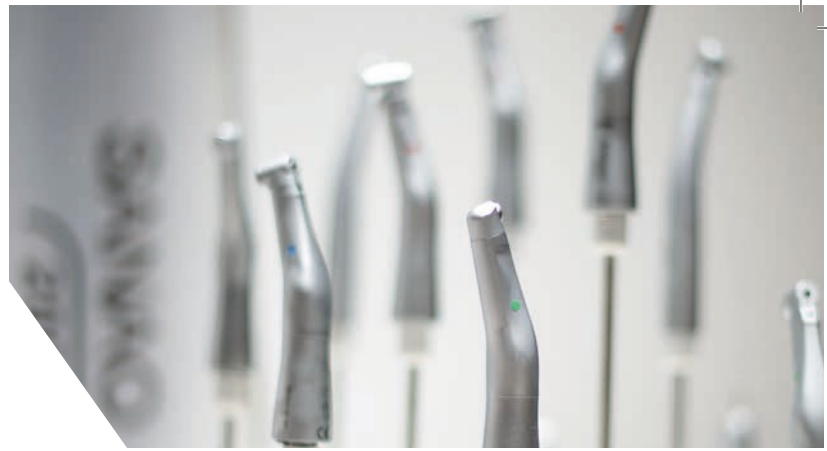
SYCOMAINT SMART

Measuring only 38 x 28 x 34.5 cm, the SycoMaint smart is one of the most compact care and cleaning systems on the market. The space-saving device enables the internal cleaning of up to three instruments in around three minutes each, also putting it well ahead in terms of efficiency.

As with the SycoMaint, the colour of the SycoMaint smart housing, plastic parts and operating foil can be adapted to your design, and individual logo or trademark imprints are also possible.

OPTIMISED FOR FATIGUE-FREE WORK

Fast, powerful, quiet and ergonomically perfect: What matters most for our hand-pieces, contra-angle pieces and turbines is that they optimally live up to dentists' requirements. In addition to technical high-quality components, development therefore focuses on ergonomics and design. Our hand-pieces, for example, are designed so that they successfully counteract fatigue in the wrist by shifting the centre of gravity backwards.



As an OEM, we supply hand-pieces and contra-angle pieces exclusively in customer-specific designs. That means: **All instruments are individually assembled for you from different variants and provided with your logo or trademark.** In addition to precision dental hand-pieces, the product range also includes air-driven dental turbines and LED couplings.

WWW.SYCOTEC.EU/EN/PRODUCTS/DENTAL-DRIVE-TECHNOLOGY



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