




Benefits of the PROFdrive Standards

- > PROFdrive Workshops Free
- > PROFdrive Specification Free for Members
- > PROFdrive Test Specification Free for Members
- > PROFdrive Profile Tester Free for Members
- > Independent Certification by PI Certified Product

Support by the Community Project

- > PROFdrive Profile Device Source Code Free
- > PROFdrive Profile Controller Source Code Free
- > PROFdrive Implementation Guide Free

Benefits from Multiple Profiles

-  > Standardized Application Interface for Motion Control and Encoder
- > Simple Replacement of Devices
- > Consistent Diagnosis
-  > Safety Integrated for Machines and Systems
- > Reusability of Safety Concepts
- > Interoperable Interface for Drive-Based Safety
-  > Control and Measurement of Energy Consumption
- > Coordinated Switch-On and Switch-Off of Entire System Parts
- > No External Hardwired Systems Required

Drive Technology that Boosts your Business!



PROFdrive
Motion . Drives . Encoder



More Information about PROFdrive:
www.profibus.com/PROFdriveMarketing

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Interoperable, Standardized and Manufacturer-Independent Interface

The PROFIdrive Profile Covers all Applications Relevant to Industry in the Respective Application Classes (AC):



Pumps, Fans and Conveyors



Positioning and Adjusting Drives



CNC, Robots and Electronic Gears

AC1/AC2

Adjustable-Speed Drives without/with Technology Function

AC3

Drives with Positioning Function

AC4/AC5

Synchronous Servo Applications and High-Performance Motion Control Applications

12 Benefits for PROFIdrive Users

Ideal for Flexible Machine Concepts

Uniform Diagnostics

Quick Implementation of Customer-Specific Requirements

Maximum Dynamics and Precision

Interoperability and Exchangeability, also for Safety

Easy to Expand, Fast Device Replacement

High-Performance Parameter Channel

Reusable Program Modules

Short Cycle Times up to 31.25 μ s

Flexible RT/IRT Cycle Times on one Single Bus

Standardized in IEC 61800-7 and GB/T 25740

Independent Certification by PI

PROFIdrive Technology is > Future-Proof > Ready for Industry 4.0 > Compatible with PROFINET@TSN > THE Solution for your Needs

