planetroll®
the driving power

Power transmission technology

Control engineering

plarotronic®

Electronic speed control

The deciding advantages

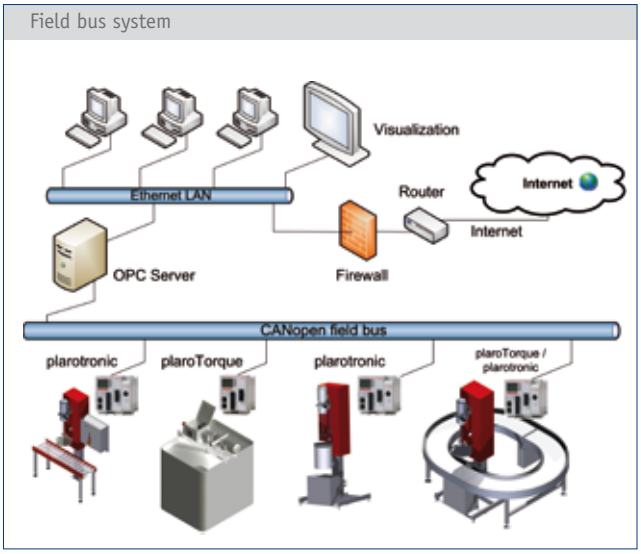
- Precise speed control for the complete range of plaromaster® variable speed-gearboxes
- Combines advantages of a mechanical step-down gearbox with those of electronic systems
- Universal current, voltage or field bus signal set point
- Combinable with the unique torque metering system plaroTorque®

- Easy motor control management for stand-alone power systems
- Flexible programmability for customization
- Applicable in ATEX area installations
- Direct connection of sensors and actuators to plarotronic® controller in ATEX applications
- Easy connection for plants with CANopen field bus system

The special capabilities

- Configuration of after-running, synchronous-running and ratio-running speed controller systems
- Automatic zero reset
- Speed presetting at standstill
- Activation of main motor and motor brake
- Selectable fixed speed values
- Operator panel for small visualization applications
- International field bus standard CANopen

Field bus system



The outstanding technology

- Mechatronical speed controller system based on modern 32 bit microcontroller technology
- Modular controller system design for flexible customization

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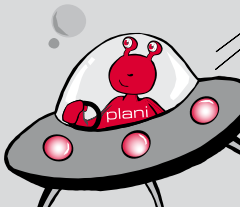


planetroll®
the driving power

Power transmission technology

Measurement technology

plaroTorque®

Electronic torque meter

The deciding advantages

- Determination of torque required from the engine
- Applicable for every standard plaromaster® drive section
- Constructional modification not necessary
- Actual value as universal current, voltage or field bus signal
- Combinable with the intelligent speed controller plarotronic®
- Flexible progammability for customer demands
- Applicable in ATEX area installations
- Direct connection for sensors in ATEX applications
- Easy connection for plants with CANopen field bus system

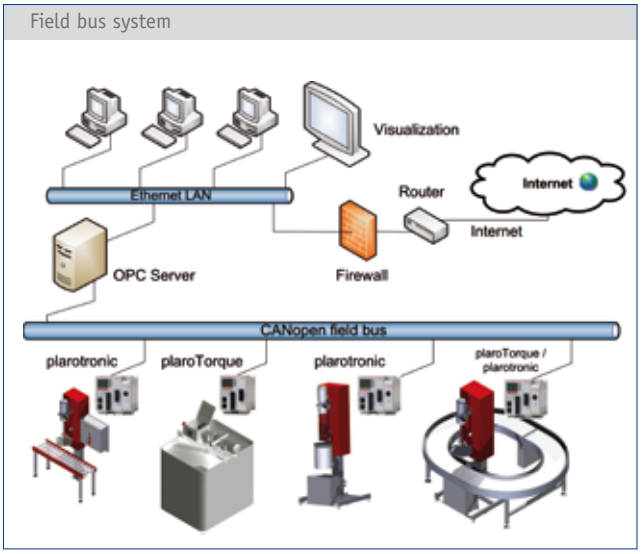
The special capabilities

- Determination of torque load on output shaft
- Programmable threshould values with signal outputs
- Operator panel for small visualization applications
- International field bus standard CANopen

The outstanding technology

- Torque metering system based on modern 32 bit microcontroller technology
- Modular controller system design for flexible customization

Field bus system



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