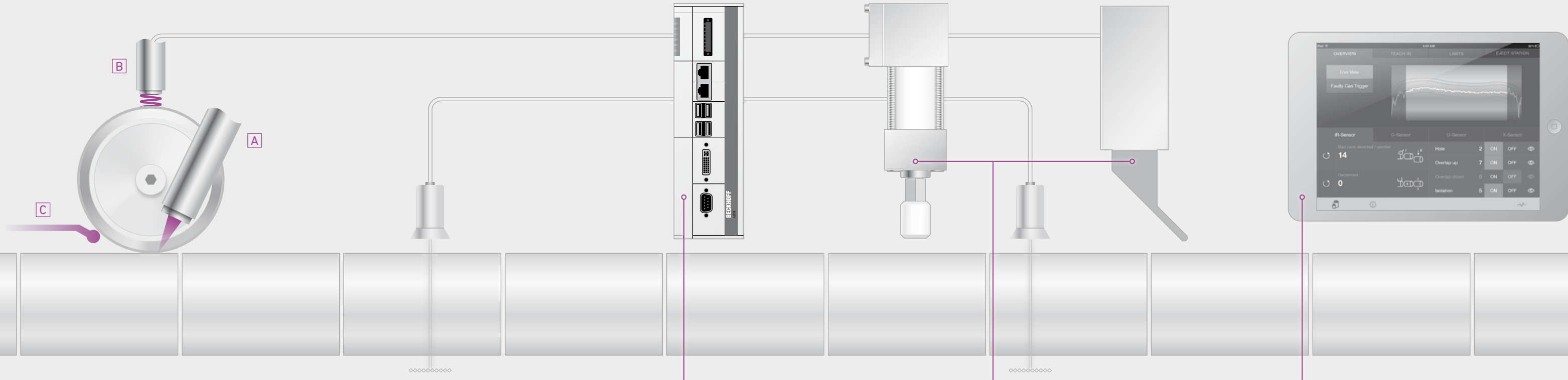# Qualimaker 2

CAN MAN

Qualimaker 2 at a glance

1 Stand alone system for all brands of canbody welders with latest measuring methods.

2 Modular conception designed to be upgradable.

3 Very easy to understand software and commercially available and reliable hardware.

B

A

C

A Infrared Sensor

As a standard the system comes with an IR-sensor, the most versatile & accurate measuring method. The IR-sensor measures the temperature of the welding seam, is maintenance free and attachable to all welders.

B Acceleration Sensor

The A-sensor measures the movement of the upper welding roll and is the best method to detect bent corners as well as inconstant can gaps. The integration is possible with minimum intervention to all welders. This sensor is also used as triggering signal at the start of each weld.

C Voltage Pickup Springs (optional available)

Measurement of the voltage between the welding rolls on the copper wire is also supported, but because of the deep integration in the system as well as the costly wear, this method is an option. However if a welder is already equipped with such contact springs, only the I-PC and SmartCONTROL software is required.

Processing: Industrial PC + Software

The I-PC analyses every single welding spot, compares it with a good one and manages the rejection of the faulty cans. Other sensors or further components and coming developments can be easily integrated. The system comes with complete development environment and coding (no black box).

Single + Mass Can Rejection

Faulty cans may be ejected at the first connecting conveyor or (in downwards direction) as an integrated part in the PowerCURE. In case of a system error, a mass rejection will be activated at a 2nd station, further down the line, to make 200% sure that no faulty canbodies are reaching the ramp.

SmartCONTROL

You will simply love to use our control because of the high quality in the design and architecture of soft- and hardware. It can be operated wirelessly and is device independent (web browser based). As an option we provide you with an input for a monitoring camera, allowing you to actually see your line from anywhere by online access.

Technical Data

Stand-alone Weldmonitor

		Overlacquering	Necking / Missing Spots	Overlap Variations	Bent Corners / Can Gap
Industrial PC	Beckhoff 1,9 GHz, 2 CORE, 2GB DDR 3 (as of 2014)				
Software	Microsoft Windows 7 Beckhoff TwinCAT				
Communication	LAN-Modem and local W-LAN HotSpot integrated				
Control	Apple iPad for internet browser-based user interface				
Typical Errors					
Sensors	Infrared sensor with up to 10 kHz	+ + + - -	+ + + + -	+ + + + -	+ - - - -
	Acceleration sensor	+ + + - -	+ - - - -	+ - - - -	+ + + + -
	Voltage pickup springs (optional available)	+ + + + +	+ + + - -	+ + + - -	+ - - - -

Can Man AG

Muelisacker 221 T +41 62 777 444 0 sales@canman.ch
CH-5705 Hallwil F +41 62 777 444 1 www.canman.ch