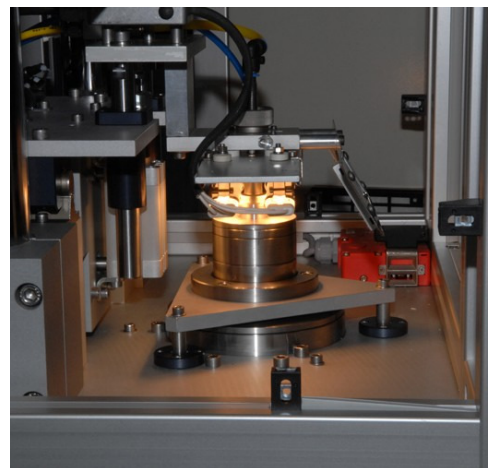


Flexible production solutions from CPR Automation

Filtering out waste from products sold into mature markets is an effective and proven way to retain customers and expand output and this is what a well known name in filtration products did recently with a new machine from CPR Automation.

Water filters used in the operating theatres of hospitals around the world are now made quicker, cheaper and greener with a new IR welding machine from CPR Automation. Improvements in production output, energy consumption and cleanliness are being made with the new filter assembly machine. The machine was commissioned in order to exploit the advances in filter manufacture available from CPR Automation when using its Infra red based plastic welding and bonding technology.



The filter assembly machine will be used within a class 100,000 clean room and is a multi-function design built to satisfy a variety of customer requirements; including process development trials, pre-production sample manufacture and volume production – a tall order which was complicated by the short time available for machine manufacture. The new machine incorporates the latest nano-coating technology in the IR lamps to give greater service life, greater consistency of heating and greater machine uptimes when heating the filter components compared against conventional lamps.



Filter components are hand loaded into the machines where they are located in water cooled, vacuum fixtures prior to being irradiated with IR energy to provide a semi-molten surface suitable for encapsulation of the filtration medium. Servo control of both assembly force and assembly size ensures that consistent quality is achieved. The IR lamps built into the machine provide efficiency gains in energy consumption compared to hot plate heating and allow faster cycle times to be achieved with less operator involvement for cleaning and general housekeeping.

CPR Automation is a long established company supplying production automation equipment to most sectors of industry. With over 40 years experience we pride ourselves in offering the right solutions to our customers. With our experience comes knowledge of many production processes and quality assurance methods for metal cutting equipment, assembly systems and test stands as well as a range of parts feeders.

Whatever your needs as an end-user or a machine builder, Contact CPR Automation for more information.

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