The new breed of dc servomotors.

DC servomotors that are robotically manufactured to a customer’s online customisations.

Shown here is the latest style DC servomotor that has been automatically manufactured from a customer’s direct inputs into an internet based motor configuration tool. The first feature to observe on the motor, gearhead and encoder combination is the complete lack of any screws, pins or clamps between any of the components. This is achieved even for the encoder with continuous flow laser welding. By removing the traditional mounting plate design between the DC motor and the planetary gearhead it saves on overall length. A complete weld revolution between the motor and gearhead also eliminates the possibility of oil or water ingress into the motor at this point. The encoder cable exit is also sealed providing both strain relief and sealing. All maxon DC servomotors do not require internal airflow or brush cooling allowing them to be completely enclosed. Using the web configuration tool features on the motor including the shaft length, shaft flats, cable lengths, gear ratios and winding characteristics can all be customised to best suit the application.

Normally a robust, efficient and customised motor drive that is manufactured to order in Switzerland would take a minimum of four weeks to produce. This new style of manufacturing represents somewhat of a breakthrough with the product being shipped in under 11 working days.

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