



Press release

New and unique features for IPTE's Radial Tape Feeder Radial Tape Feeder with "body stocking reference cut" and "vision quality inspection"

Within its broad range of component-feeder systems IPTE offers now two new and unique functions for its manifold proven Radial Tape Feeder systems. They are called: "body stocking reference cut" and "vision quality inspection".

The function "body stocking reference cut" makes sure that all components which are fed into the insertion machine have exactly the same length of leads. Due to this preparation, the original length of the connecting wires of the parts on the tape is no longer of any importance for the following insertion process. Moreover, the components can then be more easily clinched and better soldered being processed this way.

The common trend towards the use of very cheap components has the consequence that not always the best possible quality is used, and components with larger tolerances have very often be transfered through the feeders to the insertion machine. In order to avoid increased losses and standstills during the insertion procedure, IPTE developed the function "vision quality inspection". This control feature prevents components with too large tolerances or with poor quality to reach the insertion machine through the feeder. The faulty parts were taken out of the feeder without any machine stop. The "vision quality inspection" ensures therefore an optimum insertion process, maximum machine operation time and high productivity, as well as the best possible quality of the end-products.

IPTE's automation experts also offer a broad range of different feeder systems, besides their acknowledged successful commitment to the design of efficient odd-form assembly machines. The IPTE feeders are available for components delivered in stick magazines, as well as in radial and axial tape reels. This range of mechanisms meets the feeding requirements of a large quantity of odd-form components, and is not only successfully used for years in IPTE's own odd-form assembly machines but also in third-party



equipment. The simple and intuitive operation via only four buttons is made possible by a modern microcontroller-based control unit. Various options such as tape-end monitoring offer additional production comfort. In order to maintain a continuous machine operation IPTE also supplies splice tools for axial and radial tape reels.

Besides the IPTE standard-feeder range (stick magazine, axial, radial) there are furthermore added tray loaders and mechanisms for loose batch (bulk) of parts. IPTE's specialists are able to realize virtually every customers' requirements. The IPTE feeders can also be combined with many third-party-assembly machines new from the marketplace or which already installed at users' sites in order to improve line performance. The interface connections for digital I/O, RS-232 and RS-485 are available at the feeder units and can be adapted by the IPTE specialists according to customers' requirements. The IPTE feeders are "Made in Europe", whereby everything is from one source: construction and design, mechanics, production and the control unit, providing safety and reliability to the users. The feeders are delivered ready-to-use, that means included are all needed component-specific application and docking add-ons.

