



QUICK SET

Automatic Slitter Positioning Systems

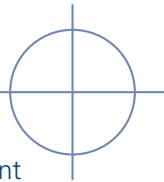
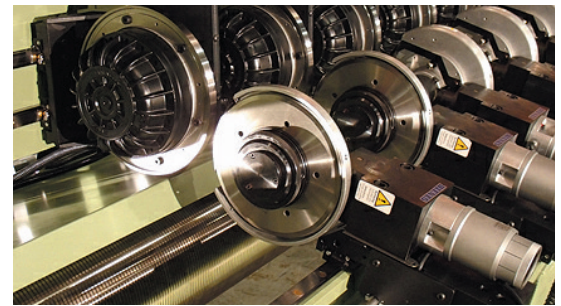
DIENES CORPORATION of Spencer, MA, USA, has been supplying QUICK SET Positioning Systems for over a decade. QUICK SET Systems are employed worldwide in numerous film, sheet, foil, nonwovens and paper slitting applications with a wide range of shear, crush and razor knife holders.

SHEAR KNIFE SYSTEMS

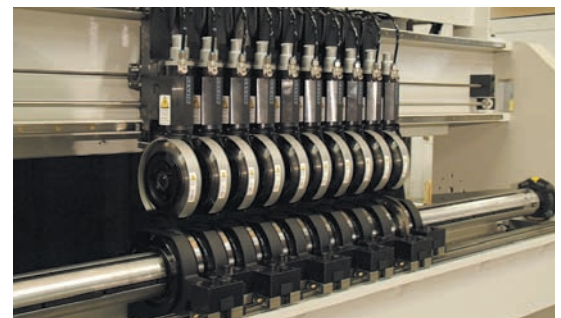
QUICK SET shear knife positioning systems are available with either motor driven or shaft driven bottom knives. Both systems can simultaneously position all the slitting knives in as little as three seconds, depending on travel distance.



MOTOR DRIVEN bottom knife systems are capable of automatic and immediate changing of slit widths without stopping the slitting action. This capability has been successfully employed to retain slit width accuracy when responding to tracking camera signals on high speed packaging print lines.



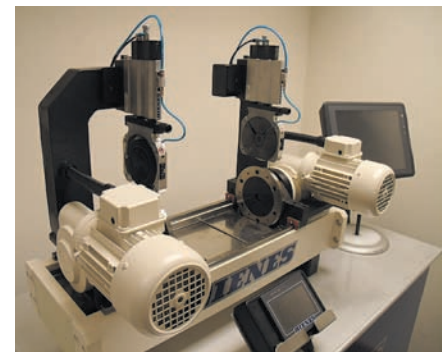
SHAFT DRIVEN QUICK SET systems bottom knives mount to precision traversing carriages that prevent excessive axial run-out and shaft deflection. This capability allows for unlimited shaft lengths, no matter what the diameter. Note: Air shaft deflation and knife disengagement is required during repositioning.



DIENES EASY TRIM shear slitting systems, employing QUICK SET technology, are designed specifically for effortless and trouble-free change of trimmed web widths.



Like the multiple cut QUICK SET systems, this motor driven bottom knife positioning system provides simultaneous positioning of trim knives and can be relocated without disrupting the slitting process. HMI touch screen control can also move knives in unison or separately in a semi-automatic mode.

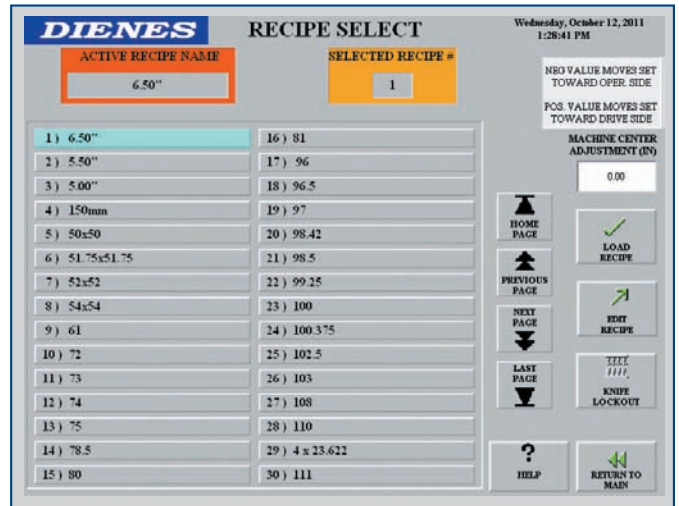
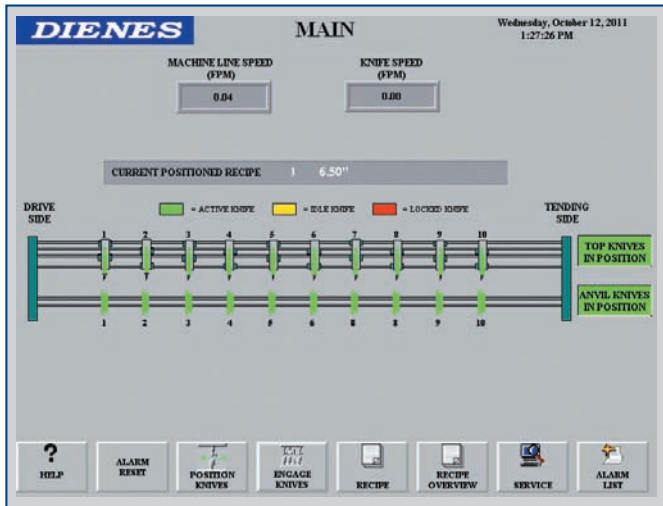


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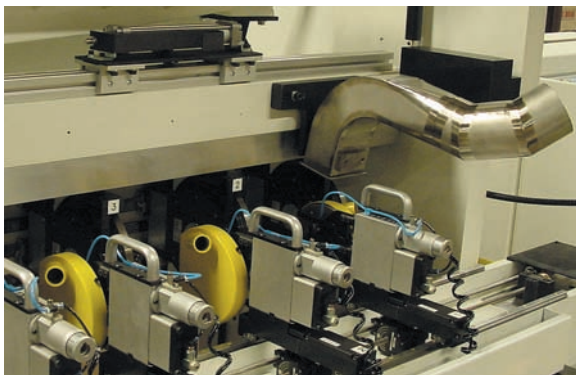
OPERATION OF ALL QUICK SET Automatic Positioning Systems

is straightforward. The HMI Graphics "Main Menu" touch screen guides operators to various function and diagnostic screens. Included are commands to "Position Knives", "Engage Knives", select and activate a slitting setup from menu "Recipes" and open to a "Thread-Up Position". Numerical key pads open to set new slit widths and confirmation windows appear for verification before positioning changes take place. In addition, slit width changes can be downloaded from Production Control or loaded at an Operator Control Station.



MONITORING SCREENS clearly define which knife sets are moving and which are engaged, their spacing, the current recipe running and what recipe is in queue. All QUICK SET commands and communications are processed via Ethernet/IP or other Industrial Protocols. A huge menu capability completes a customized package for any web slitting application.

DIENES control software will not allow invalid knife spacing requests and will notify set-up personnel of specific faults while preventing system operation. Activated alarms are recorded and DIENES service support group, with 50 years combined experience, is readily available to operators with our 24/7 Service Contract option.



VIEW DIENES QUICK SET AND FAMILY VIDEOS AT
www.youtube.com/dienesusa

AVAILABLE OPTIONS

- Remote Handheld Pendant; used when winders OCS is located away from the slitting section. The Pendant duplicates certain Main screen functions to make required adjustments or review diagnostic data.
- Integral Trim Chutes designed to accommodate the winder envelope.
- Knife Life Monitoring; providing notification of imminent knife replacement.
- 24/7 support; with your approval, operators can contact DIENES service personnel for support.