Vijuk

321-T SADDLE STITCHER

For the fastest Return On Investment!
A  EASY ACCESS FEEDERS WITH SUPERIOR CONTROL
- Each feeder, has adjustable gripper and vacuum opening and can be run at 1:1 or 1:2 feeding ratios or turned off.
- In the horizontal format, feeders can be loaded easily and quickly.
- Signature racks provide quick identification and verification of proper signature loading.
- Clear protective covers on each feeder allow safe, easy monitoring.
- Production-indicator light towers at each feeder and a completely visible, full-length catch tray beneath the feeders allow easy monitoring of production.
- Cards and inserts can be fed without additional attachments.

B  FULL-SERVICE FOLDER FEEDER
- Folder feeder automatically scores and folds covers in-line.
- Regulated air blasts ensure trouble-free feeding.
- On-the-fly adjustment gives you accurate scoring and folding.
- Scoring wheel and cover in process (right).

C  EASY-MAINTENANCE, HEAVY-DUTY THREE-KNIFE TRIMMER
- The hood is vertically raised to allow convenient access from all sides.
- Hand wheel adjustments on the three-knife trimmer enable quick makeready.
- Lubrication is quickly accomplished from a central dispensing pump through copper tubing (shown in the trimmer-entry photo H). External lubrication fittings and sealed bearings throughout the saddle stitching system also makes maintenance easy.
- Knife change is quick and easy with its single-assembly format.
- It can be accessorized with a 4th and 5th knife center-cut assembly for 2-up production.
- Timed air blasts remove waste efficiently. (See blue hose in the trimmer-entry photo H)
- Finished booklets exit on the conveyor from the delivery end.

EFICIENT HIGH-SPEED PRODUCTION
- The stitcher can be equipped with up to ten independently-controlled feeders.
- Outstanding features provide quick and simple makeready and changeovers with minimal material spoilage.
- Adjustable air blasts hold signatures in proper position as they travel on the gathering chain, assuring continuous production at high speeds.
- Rated at 10,000 cycles per hour.

SAFE OPERATION
- Electrically-interlocking safety guards are installed on the clear protective covers on each feeder and on the stitcher unit to insure safe operation.
- Highest quality and safety standards are affirmed by CE certification.
• **BEST VALUE** in its class!

• **QUALITY** backed by industry exclusive 3-years limited warranty!

**QUALITY ASSURANCE WITH THE OBLIQUE MONITOR** and other notable features.

- Each feeder has both caliper-type double-sheet detection and photocell missing-sheet detection.
- Before stitching, booklets are checked by the oblique monitor for long- or skewed-book, followed by an over/under caliper ([1 in photo E below](#)) for totality.
- Irregular sets with double, missing or incorrectly aligned signatures or pages are diverted to a reject tray unstitched while the machine continues its operation, thus maximizing production and minimizing spoilage.
- A missing stitch detector ([2 in photo E below](#)) monitors the number of stitches per booklet. If it does not match the preset number, the booklet is diverted to an eject tray. If three booklets are diverted in succession, the machine automatically shuts off for trouble shooting.

**FLYING STITCHING SYSTEM** provides top-notch binding.

- Dependable Hohner stitching heads ensure consistent, high-quality results.
- Flying stitch system eliminates stop-and-go motion in the stitching process, increasing production.

1. Over/under caliper.
3. It will accommodate up to 4 stitching heads for 2-up production.

**CENTRALIZED CONTROL CONSOLE**

- The entire system is operated from a single user-friendly panel.
- The control box contains the very best off-the-shelf German and Japanese electronic components.
- Dependability is assured with the Mitsubishi PLC controller, Toshiba AC frequency inverter driven system and Siemens components.
The OPTICAMERA SYSTEM will further optimize quality control. While on-the-fly, sensors automatically scan and store information from the first signature at each feeder. It compares that information to the following signatures fed in the pocket. If an incorrect signature is loaded, the machine will stop and a light at the feeder will indicate it is the place of the misfeed. OPTICODE SYSTEMS are available for barcode reading.

The RIMA COMPENSATING STACKER will count out a preset number of booklets, jog and stack them before moving them on the conveyor for collection. It can also be programmed to criss-cross the counted stacks of booklets before moving them on the conveyor.

The heavy-duty VIJUK–G&K ZK 500/ZK-600 KNIFE FOLDING UNITS can be attached to fold booklets or newsletters as they exit the trimmer (up to a 144-page, depending on stock).

Other optional equipment for efficiency...
- 2-up Production kit—4th and 5th knives and 2 additional Hohner stitching heads
- Pocket loaders
- Hand-feed station
- Mailing table with ink-jet control
- Card blowers
- In-line hole punch (3-hole, and calendar)
- In-line die cutter/punch
### VIJUK 321-T SADDLE STITCHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Number of feeders</th>
<th>2 to 10, plus cover feeder</th>
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<tbody>
<tr>
<td>Machine speed</td>
<td>Up to 10,000 cycles/hour</td>
</tr>
<tr>
<td>Power requirements</td>
<td>230v ±10 v, 3-phase, 60 hz, 70 amp</td>
</tr>
<tr>
<td>Overall dimensions</td>
<td>35⅓/2' x 16⅛' (see floor plan)</td>
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</table>

#### PRODUCT SIZES

<table>
<thead>
<tr>
<th>inches (millimeters)</th>
<th>signature size</th>
<th>trim size WITH ⅝&quot; LAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>max: 12&quot; (305)</td>
<td>max: 17⅝&quot; (450)</td>
<td>max: 17⅝&quot; (450)</td>
</tr>
<tr>
<td>max: 12⅝&quot; (320)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>min: 3⅛ (88)</td>
<td>min: 6⅝&quot; (158)</td>
<td></td>
</tr>
<tr>
<td>min: 3⅞ (95)</td>
<td></td>
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#### TWO-UP PRODUCTION

<table>
<thead>
<tr>
<th>max: 8½&quot; (217)</th>
<th>max: 8½&quot; (217)</th>
<th>max: 8½&quot; (217)</th>
<th>max: 8½&quot; (217)</th>
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</thead>
<tbody>
<tr>
<td>max: 17⅝&quot; (450)</td>
<td></td>
<td>max: 17⅝&quot; (450)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>gutter: ⅛&quot; (6)</td>
<td></td>
<td>gutter: ⅛&quot; (6)</td>
</tr>
<tr>
<td></td>
<td>SPINE</td>
<td>SPINE</td>
<td>SPINE</td>
</tr>
<tr>
<td>min: 4⅞ (117)</td>
<td>min: 9⅛&quot; (250)</td>
<td>min: 4⅞ (117)</td>
<td>min: 9⅛&quot; (250)</td>
</tr>
<tr>
<td>min: 3&quot; (76)</td>
<td>min: 4⅞ (117)</td>
<td>min: 3&quot; (76)</td>
<td>min: 4⅞ (117)</td>
</tr>
<tr>
<td>min: 3⅞ (95)</td>
<td></td>
<td>min: 3⅞ (95)</td>
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#### FEEDER GRIPPER SPACE (recommended)

| max: 2⅜" (60)       | min: ⅛" (6)      |

#### TRIMMER SPECIFICATIONS (recommended)

<table>
<thead>
<tr>
<th>max: 15/16&quot; (25)</th>
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</thead>
<tbody>
<tr>
<td>max compressed thickness: ⅜&quot; (8)</td>
<td>max: 15/16&quot; (25)</td>
</tr>
<tr>
<td>min: ⅛&quot; (3)</td>
<td>min: ⅛&quot; (3)</td>
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We appreciate your interest in Vijuk Equipment Inc.

For all your finishing needs, Vijuk proudly offers high-quality equipment and excellent support and service. Please contact us for:

- G&K Folders and auxiliary equipment
- H+H Folders and auxiliary equipment
- Vijuk MV Outsert Systems
- \textit{VIJUK} 321-T Saddle Stitching Systems
- Setmaster Collators
- \textit{Victory\textsuperscript{®}} Die Cutters
- Multi-BookPad Systems (side-stitch/tape/trim systems)
- Hydromat 3-Knife Trimmers
- Material Handling Equipment
- Other specialty or customized equipment
- Spare parts for all Vijuk equipment