### Axis Control
- Digital Servo Function
- 1 Controlled Path
- 3 (up to maximum of 4) Simultaneously Controllable Axes (J801) (J803)
- Serial Encoder Interface
- Axis Names Selected from X,Y,Z,U,V,W,A,B,C
- Least Input Increment of 0.001mm, 0.0001", 0.001deg
- Inch/Metric Conversion (J876)
- Interlock per Axis
- Machine Lock
- Emergency Stop
- Overtravel Signal
- Stored Stroke Check 1
- Mirror Image
- Follow-up Function
- Servo Off
- Mechanical Handle Feed
- Backlash Compensation
- Stored Pitch Error Compensation (J841)

### Operation
- Memory Operation
- DNC Operation
- MDI Operation
- Program Number Search
- Sequence Number Search
- Buffer Register
- Dry Run Mode
- Single Block Mode
- Manual Feed Mode (Jog)
- Manual Reference Point Return
- Manual Handle Feed (J835) \(\text{(requires MPG)}\)
- Incremental Feed

### Interpolation
- Positioning (G00)
- Exact Stop Mode (G61)
- Exact Stop (G09)
- Linear Interpolation
- Circular Interpolation
- Dwell (G04)
- Helical Interpolation (J819)
- Skip Function (G31)
- Automatic Reference Point Return (G28, G29)
- Reference Point Return Check (G27)
- 2nd Reference Point Return (G30)
### Feed Function
- **Rapid Traverse Feedrate** 240m/min (100m/min @0.0001mm increment)
- **Rapid Traverse Feedrate Override** (preset value, 25%, 50%, 100% settings)
- **Feed per Minute**
- **Tangential Speed Control**
- **Cutting Feedrate Clamp**
- **Automatic Acceleration/Deceleration** (Rapid Traverse: Linear; Cutting Feed: Linear or Exponential)
- **Rapid Traverse Bell-Shaped Acceleration/Deceleration**
- **Feedrate Override 0-254%**
- **Jog Override 0-655.34 %**
- **Override Cancel**

### Programming
- **EIA/ISO Automatic Identification**
- **Label Skip**
- **Parity Check**
- **Control In/Out**
- **Optional Block Skip**
- **Maximum Programmable Value - 8 digits**
- **Program Number - O with 4 digits**
- **Sequence Number - N with 5 digits**
- **Absolute or Incremental Command**
- **Programmable Data Input (G10)**
- **Decimal Point Input**
- **10 Times Input Unit**
- **Plane Selection (G17, G18, G19)**
- **Rotary Axis Setting**
- **Rotary Axis Rollover**
- **Coordinate System Setting (G92)**
- **Automatic Coordinate System Setting**
- **Manual Absolute On/Off**
- **Subprogram Calling**
- **Canned Drilling Cycles (G73, G74, G76, G80-G89, G98, G99) (J890)**
- **Specifying the Radius of an Arc**

### Auxiliary and Spindle Functions
- **Miscellaneous Function - M with 8 digits**
- **Miscellaneous Function Lock**
- **High Speed M/S/T Interface**
- **Multiple Commands of Miscellaneous Functions (up to 3)**
- **Spindle Function - S with 5 digits**
- **Serial Spindle Interface (J850)**
- **Spindle Override 0-254%**

### Tool Functions and Tool Compensation
- **Tool Function - T with 8 digits**
- **32 Tool Offsets**
- **Tool Length Compensation (G43, G44, G49)**
- **Tool Radius/Tool Nose Radius Compensation (J930)**
### Part Program Storage & Editing

- 64KB Part Program Storage (J943)
- 63 Stored Part Programs
- Part Program Editing
- Part Program Protection
- Multi Part Program Editing (J956)
- Extended Part Program Editing

### Display

- Status Display
- Clock Function
- Current Position Display
- Program Display
- Parameter Setting Display
- Self Diagnosis
- Alarm Display
- Alarm History Display
- Help Function
- Run Time/Part Count Display (J971)
- Actual Cutting Speed Display
- Servo Adjustment Screen
- System Configuration Display
- English Language
- Data Protection Key

### Data Input/Output and Communications

- I/O Link or I/O Link i Interface
  
  Punch Panel with 2m Cable  A02B-0236-C192 in LCD Mount, A02B-0120-C192 in Stand Alone.

- Reader/Punch Interface 1 (RS-232) (J900)

- External Workpiece Number Search

- External Data Input (J913)
  
  includes External Tool Offset
  External Message
  External Machine Origin Shift
  External Program Number Search

- Status Output Signal

### Other

- CD-ROM containing Product Manuals included in the BOM of the Root CNC
  
  Operation and Maintenance Handbook B-64487EN  FS30i/31i/32i-Model B Oper and Maint Handbook
  
  Qty 1  A02B-0120-K324  CONNECTOR AND PINS

- Miscellaneous conn:
  
  Qty 2  A02B-0120-K301  HONDA CONNECTOR
  
  Qty 1  A02B-0120-K323  CONNECTOR AND PINS

- Spare Fuses A02B-0236-K100 LCD  or  A02B-0265-K100 Stand Alone

- Cable Clamps A02B-0303-K001  8 CABLE CLAMPS

- Grounding Bar 44B295864-001  GROUNDING BAR 11 SLOT
### SERIES 32i-B PACKAGE CHOICES

<table>
<thead>
<tr>
<th>Package A</th>
<th>Package B</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Axes</td>
<td>3 Axes</td>
<td>This Form assumes the use of HRV2. If HRV3 or additional servo motors are required, please complete this form as close as possible to your desired configuration, then e-mail the form and your requested changes to: <a href="mailto:cnc_express@fanucamerica.com">cnc_express@fanucamerica.com</a></td>
</tr>
<tr>
<td>2 Slot Rack</td>
<td>2 Slot Stand Alone</td>
<td>CNC Express will modify the form per your request and return the form to you.</td>
</tr>
<tr>
<td>LCD Mount</td>
<td>Embedded Ethernet</td>
<td>G501 =&gt; Supports 2 Paths, 10 axes (8 per path) and 6 spindles (4 per path) =&gt; A02B-0323-C128 or equivalent</td>
</tr>
<tr>
<td>Embedded Ethernet 10.4&quot; LCD A Color</td>
<td>Embedded Ethernet</td>
<td></td>
</tr>
<tr>
<td>PMC 24K Steps</td>
<td>PMC 24K Steps</td>
<td></td>
</tr>
<tr>
<td>Serial Spindle</td>
<td>Serial Spindle</td>
<td></td>
</tr>
<tr>
<td>CPU Card A2</td>
<td>CPU Card A2</td>
<td></td>
</tr>
<tr>
<td>Basic Function G501</td>
<td>Basic Function G501</td>
<td></td>
</tr>
<tr>
<td>Sep Vert Type MDI</td>
<td>Axis Card B11</td>
<td></td>
</tr>
<tr>
<td>Axis Card B11</td>
<td>Axis Card B11</td>
<td></td>
</tr>
</tbody>
</table>

### PACKAGE DEPENDENT OPTIONS

- PROFIBUS DP Master
- PROFIBUS DP Slave
- HSSB
- Fast Ethernet
- Data Server
- 2nd Fast Ethernet Brd
- PROFIBUS DP Master
- PROFIBUS DP Slave
- Fast Ethernet
- Data Server
- Remove HSSB
- 10.4" LCD A Color Tch
- 15.0" LCD Col w/ Tch
- CNC HSSB Card
- Sep MDI
- 2nd Fast Ethernet Brd

USB Memory I/O is available on LCD Mount CNCs & the LCD for S.A. shading indicates restrictions, see Package Options for details.
**Series 32i-B CNC for Milling**

**ORDER FORM**

**Pick One**

**Series 32i-B CNC Express Package A for Milling - 10.4" LCD Mount w/o Touch Screen.**

**Series 32i-B CNC Express Package B for Milling - 2 Slot Stand Alone.**

**Choose Only 1.**

**Package A Options**

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFIBUS DP Master Board (J311, S731, J562#6552)</td>
<td>Choose no more than two</td>
</tr>
<tr>
<td>PROFIBUS DP Slave Board (J313, S732, J563#655C)</td>
<td>Option Boards</td>
</tr>
<tr>
<td>PROFIBUS Application Software, J535#655B, required for all PROFIBUS</td>
<td></td>
</tr>
<tr>
<td>HSSB Board (High Speed Serial Bus) (J202) includes Extended D/L Function, 10m F/O cbl</td>
<td></td>
</tr>
<tr>
<td>1st Fast Ethernet Board (J147) Requires Communication Option Below:</td>
<td></td>
</tr>
<tr>
<td>Fast Ethernet Function (S707) (Uses FOCAS Protocol)</td>
<td></td>
</tr>
<tr>
<td>Data Server Func (S737,R953)(req's ATA Flash Mem Card)(Uses FTP for data transfer)</td>
<td></td>
</tr>
<tr>
<td>Ethernet/IP Adapter Function (R967), Data Server requires a separate Ethernet Board</td>
<td></td>
</tr>
<tr>
<td>Ethernet/IP Scanner Function (R966), Data Server requires a separate Ethernet Board</td>
<td></td>
</tr>
<tr>
<td>2nd Fast Ethernet Board (J147)(Add'l Enet Port) Requires 2 of 3 (S707 or S737,R966,R967)</td>
<td></td>
</tr>
</tbody>
</table>

**Manual Guide i in Package A - Requires Custom Macro (J873) for full functionality.**

- Manual Guide i (S790) 10.4" Color LCD Type A - Large Screen Animation not supported.
- Manual Guide i Multi Path Function (S786) for 2 paths. Requires (S790).

**Package B Options**

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFIBUS DP Master Board (J311, S731, J562#6552)</td>
<td>Choose no more than two</td>
</tr>
<tr>
<td>PROFIBUS DP Slave Board (J313, S732, J563#655C)</td>
<td>Option Boards</td>
</tr>
<tr>
<td>PROFIBUS Application Software, J535#655B, required for all PROFIBUS</td>
<td></td>
</tr>
<tr>
<td>1st Fast Ethernet Board (J147) Requires Communication Option Below:</td>
<td></td>
</tr>
<tr>
<td>Fast Ethernet Function (S707) (Uses FOCAS Protocol)</td>
<td></td>
</tr>
<tr>
<td>Data Server Func (S737,R953)(req's ATA Flash Mem Card)(Uses FTP for data transfer)</td>
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<tr>
<td>Ethernet/IP Adapter Function (R967), Data Server requires a separate Ethernet Board</td>
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</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>2nd Fast Ethernet Board (J147)(Add'l Enet Port) Requires 2 of 3 (S707 or S737,R966,R967)</td>
<td></td>
</tr>
</tbody>
</table>

- Do not use HSSB from Package B. (Removes A02B-0207-J900). For LCD or Ethernet Display.

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.4&quot; LCD A Color w/ Tch Scrn (C084)(290x220mm), J882, Pen &amp; 10m F/O cbl, A02B-0120-K323, A02B-0120-K324, A02B-0319-K191</td>
<td>Only one LCD</td>
</tr>
<tr>
<td>15.0&quot; LCD Color w/ Tch Scrn (C092)(400x320mm), J882, Pen &amp; 10m F/O cbl, A02B-0120-K323, A02B-0120-K324</td>
<td>Req MDI below.</td>
</tr>
</tbody>
</table>

- Do not use HSSB from Package B. (Removes A02B-0207-J900). For LCD or Ethernet Display.

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Standard CNC Display Unit - HSSB (J389) to Panel i or PC side HSSB, 10m F/O cbl</td>
<td>Requires one Option Slot</td>
</tr>
<tr>
<td>Without Standard CNC Display Unit - Embedded Ethernet (J390) connects to iPendant only</td>
<td></td>
</tr>
<tr>
<td>Ethernet Display Function (R950 &amp; J573#658N) Embedded Ethernet to PC, not for iPendant</td>
<td></td>
</tr>
<tr>
<td>Sep Type MDI (Vert PC Type) (QWERTY) (290x160mm)</td>
<td>A02B-0323-C128 or equivalent</td>
</tr>
<tr>
<td>Sep Type MDI (QWERTY Type B)(400x145mm) No 10.4″ LCD</td>
<td>A02B-0303-C129 or equivalent</td>
</tr>
<tr>
<td>Sep Type MDI (ONG Type) (Vertical) (290x220mm)</td>
<td>A02B-0323-C126#M or equivalent</td>
</tr>
<tr>
<td>Sep Type MDI (ONG Type) (Horizontal) (230x220mm)</td>
<td>A02B-0323-C125#M or equivalent</td>
</tr>
</tbody>
</table>

**Manual Guide i in Package B**

- Manual Guide i (S790) Only on 1st path of control.
- Manual Guide i Multi Path function (S786) - to use on 2nd Path
- 10.4" Color LCD A w/ Touch Screen does not support "Large Window Animation" in Manual Guide i.

**High Speed Serial Bus (HSSB) includes:**

Extended D/L Function J900 & 10m F/O Cable
<table>
<thead>
<tr>
<th>Number of Paths</th>
<th>Minimum of 6 axes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Control Paths</td>
<td></td>
</tr>
</tbody>
</table>

**Axis Control**: up to 10 axes and 6 spindles are possible.

- 4th Axis
- 5th Axis
- 6th Axis
- 7th Axis changes to B12 Servo Card, 1 FSSB Servo Line
- 8th Axis
- 9th Axis
- 10th Axis

**Number of Serial Spindles (default is one)**. >1 Spindle per path requires Multi Spindle Control.

- 2 Spindles
- 3 Spindles
- 4 Spindles
- 5 Spindles
- 6 Spindles

Mult Spindle Control. Required if more that one spindle is used per path.

**Analog Spindle**.

- Analog Spindle (J860) replaces Serial Spindle (J850). Having Serial Spindle requires R584.

**Serial/Analog Spindle Control - includes Multi Spindle Control**.

- 1 Serial Spindle and 1 Analog Spindle (R584, J850, J860)
- 2 Serial Spindles and 1 Analog Spindle
- 3 Serial Spindles and 1 Analog Spindle
- 4 Serial Spindles and 1 Analog Spindle, Requires 2 Paths.
- 5 Serial Spindles and 1 Analog Spindle

**Axis Control Options**

- Axis Control by PMC (up to 8 axes) (J804)
- Synchronous Axis Control (up to 4 pairs axes) (J843)
- Controlled Axis Detach (J807)
- Chopping Function (J707)
- Least Input Increment of 0.0001mm, 0.00001", 0.0001deg (J805)
- Dual Position Feedback (J704)
- Stroke Limit External Setting (J845)
- Stored Stroke Check 2 (J840)
- Stored Limit Check Before Move (J749)
- Interpolation type pitch error compensation (S644)
- Bi-directional pitch error compensation (S656)
- Straightness Compensation (J747) (4 points)
- Interpolation Type Straightness Compensation (S639) (128 points)
- Position Switch (J846)
## Series 32i-B CNC for Milling

### Operation
- Program Restart (J838)
- Tool Retract & Recover (J823)
- Retrace (J730)
- Manual Handle Retrace (J998)
- Manual Handle Feed 2/3 Units (J836)
- Manual Handle Interruption (J837)
- Change Active Offset Value with Manual Move (S825)

### Interpolation
- Unidirectional Positioning (G60) (J812)
- Polar Coordinate Interpolation (J815)
- Cylindrical Interpolation (J816)
- Thread Cutting and Feed per Revolution (J824) \(\text{(requires Spindle Encoder)}\)
- High Speed Skip (J848)
- Multi Step Skip (J849)
- 3rd, 4th Reference Point Return (J830)
- Normal Direction Control (J813)
- Index Table Indexing (J822) \(\text{(requires 4th Axis)}\)
- Linear Scale I/F w/ absolute address reference mark (J670), Requires Separate Detector I/F.

### Feed Function
- Bell Shaped Acc/Dec After Interpolation for Cutting Feed (J829)
- Inverse Time Feed (J715)
- AI Contour Control I (30 Block Look Ahead) (S807) \(\text{Choose only S807 or S808}\)
  - Simultaneously Commanded Paths for AICC I, one path (S807#1)
  - Simultaneously Commanded Paths for AICC I (Max. two paths) (S807#2)
- AI Contour Control II (200 Block Look Ahead) (S808)
- Machining Condition Selecting Function (S637) \(\text{Requires AICC I or AICC II.}\)

### Grinding Options
- Canned Cycles for Grinding (S974)

### Programming
- Optional Block Skip (total 9) (J955)
- Polar Coordinate Command (J818)
- Workpiece Coordinate System (G52-G59) (J894)
  - Additional Work Coordinate System, 48 Pairs (J895)
  - Work Coordinate System Preset (J917)
- Optional Angle Chamfering/Corner Rounding (S615)
- Custom Macro (J873)
  - Additional Custom Macro Common Variables (J887), 100 + 500 = 600 Total \(\text{Only One.}\)
  - Additional Custom Macro Common Variables 1000 (R687), 100 + 1000 = 1100 Total
- Interruption for Custom Macro (J874)
- Pattern Data Input (J884)
- Peck Drilling Cycle for Small Hole (J896)
- Scaling (J892) \(\text{Choose only one}\)
- Automatic Corner Override (J891)
- Coordinate System Rotation (J893)
- Programmable Mirror Image (J880)
- Series 15 Tape Format (J882)
### Series 32i-B CNC for Milling

<table>
<thead>
<tr>
<th>Macro Executor (J888)</th>
<th>96K Reserved for System S/W.</th>
<th>Choose only one Macro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Macro Executor + C-language Executor (J734)</td>
<td>700K Reserved for System S/W.</td>
<td></td>
</tr>
<tr>
<td>FANUC PICTURE Executor (R644)</td>
<td>2M Reserved for System S/W.</td>
<td>Available with J888/J734.</td>
</tr>
</tbody>
</table>

| Custom Software Size 512KB (J738#512K) | Not with J734 or R644. |
| Custom Software Size 2MB (J738#2MB) | |
| Custom Software Size 4MB (J738#4MB) | |
| Custom Software Size 6MB (J738#6MB) | |
| Custom Software Size 8MB (J738#8MB) | |
| Custom Software Size 12MB (J738#12MB) | |

**Choose only one Custom Software Size.**

**PMC Options**

- PMC with 32K Steps (H990#32K)
- PMC with 64K Steps (H990#64K)
- PMC with 100K Steps (H990#100K)
- PMC with 300K Steps (H990#300K)
- Multi-path PMC function (3 paths) (R855#3) **24,000 Steps Standard, choose only One upgrade.**
- Multi-path PMC function (5 paths) (R855#5) **One PMC Path Standard.**
- PMC symbol, comment, and message capacity expansion (512KB) (R856#512K) **Choose Only One.**
- PMC symbol, comment, and message capacity expansion (1MB) (R856#1M)
- PMC symbol, comment, and message capacity expansion (2MB) (R856#2M) **Only One.**
- Function Block Function (R852)
- I/O Link expansion 2nd Channel w/ A20B-1007-0680 and 1m cable.
- I/O Link expansion 2nd/3rd Channel w/ A20B-1008-0360 and 1m cable.
- Dual Check Safety (S661) Req’s I/O Link 1, I/O Link 3rd Channel or PROFIBUS Master.
- I/O Link i will be used for Dual Check Safety. **Check here:**

**Auxiliary and Spindle Functions**

- 1st Spindle Orientation (J853) (Applies to 1st Spindle per Path) (req’s Serial Spindle)
- Constant Surface Speed Control (J855) (requires Spindle Encoder)
- 2nd Miscellaneous Function (B8-digit binary) (J920) (Analog Spindle req’s Spindle Encoder.)
- Rigid Tapping (J828) (retraction for Rigid Tapping (J664))
- See Drives Tab for Spindle Separately Mounted Position Encoder.

**Tool Functions and Tool Compensation**

- 64 Tool Offset items (J925) Assignable by parameter per path.
- 99 Tool Offset items (J926)
- 200 Tool Offset items (J927) **Choose only one if more that 32 offsets needed.**
- Tool Offset Memory C (D/H code, Geometry/Wear) (J937)
- Tool Offset (S617)
- Tool Life Management (J935)
- Automatic Tool Length Measurement (S618)

**Part Program Storage & Editing** Total PPS in the system, available to all paths.

- 128KB Part Program Storage (J944) (Approx 320m) **Choose only one**
- 256KB Part Program Storage (J945) (Approx 640m)
- 512KB Part Program Storage (J946) (Approx 1280m)
- 1MB Part Program Storage + 1000 Stored Part Programs (J947) (J953) (Approx 2560m)
- 2MB Part Program Storage + 1000 Stored Part Programs (J948) (J953) (Approx 5120m)
- Playback (J879)
Series 32i-B CNC for Milling

FANUC Picture

- FANUC Picture Function (S879) Req's LCD w/ Tch Pnl, deletes J682, not w/ J734/J888/R644
- FANUC Picture Function for non-Touch panel display (S944) Not w/ J734, J888 or R644

Ethernet or HSSB Options

Use Embedded Ethernet for BOP2 or Ladder Edit Function
- Basic Operation Package (BOP2) Function (J816) & CD (Also works w/ embedded Ethernet)
- CNC Screen Display Function (J858)
  - Application Disk for HSSB (K775)
  - Application Disk for Ethernet (K776)
- CNC Screen Dual Display Function (S884)
- CNC Screen Display for 19" Panel i (R624) 19" Panel i requires one of these options
  - Enlarged CNC Screen Display for 19" Panel i (R673)
- CNC Web Server Function (R728) Reqs Std LCD Disp, No CNC Scrn Disp, No simul iPndnt.
- Ladder Edit Function (J820) (Also works w/ embedded Ethernet)

Display

- Graphic Display (J972) Requires LCD or CNC Screen Display Function
- Software Operator Panel (J960)
  - Software Operator Panel General Purpose Switch (J961)
- Selection of Five Optional Language (R521)

Data Input/Output and Communications

- You may overwrite the QTY fields for qty > 1 Qty

<table>
<thead>
<tr>
<th>Option</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact Flash Card 128MB, Card Adapter B</td>
<td>0</td>
</tr>
<tr>
<td>Compact Flash Card 1GB (suggested for use with Data Server) , 2 Card Adapters</td>
<td>0</td>
</tr>
<tr>
<td>2nd Reader/Punch Interface (RS-232) (J901)</td>
<td>0</td>
</tr>
</tbody>
</table>

Parallel Axis Tracking

- Parallel Axis Tracking (S895) is the tracking of the W/Z Zero position when W and Z axis are parallel axes. Activated by G-Code. Applicable to popular Horizontal Boring Machines. Requires J888, J738#256K, J894, J917 & at least 4 axes. Includes DVD and Manual.

AdaptS

- AdaptS (S898) maintains a constant load during part processing by modifying the feedrate override. This allows for the fastest possible cycle time based on the condition of the tool, part geometry and material variation. By maintaining the manufacturer's recommended load on the tool, tool life can also be extended. AdaptS works on the first serial spindle in the first path only. Req's J873,J738#2M,J734.
- AdaptS S/W DVD D75F-0102-PB00 Each MTB/Retrofitter must purchase a DVD once.
- AdaptS S/W DVD with FANUC Picture (R644). Req's R644 >=J738#6M. D75F-0103-PB00.
### Series 32i -B CNC for Milling

**Cables**
Optional: Replace 10m cable for LCD ordered with Package B with one of the following:

| Fiber Optic Cable, CNC to LCD, 1m
| Fiber Optic Cable, CNC to LCD, 5m
| Fiber Optic Cable, CNC to LCD, 20m
| Fiber Optic Cable, CNC to LCD, 30m
| Fiber Optic Cable, CNC to LCD, 40m
| Fiber Optic Cable, CNC to LCD, 50m

**Different MDI's**

<table>
<thead>
<tr>
<th>Separate Type MDI (ONG) (Vertical)</th>
<th>Replaces Vertical QWERTY in Pkg A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A02B-0323-C126#M or equivalent 290x220mm</td>
<td>(Do not order with Pkg B)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Separate Type MDI (ONG) (Horizontal)</th>
<th>Replaces Vertical QWERTY in Pkg A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A02B-0323-C125#M or equivalent 230x220mm</td>
<td>(Do not order with Pkg B)</td>
</tr>
</tbody>
</table>

**Product Manuals**

<table>
<thead>
<tr>
<th>Series 30i/31i/32i-B Descriptions, Model B Connection Manual Hardware, Model B Connection Manual (Function), Model B Maintenance Manual *, Model B Parameter Manual *, Model B Operation and Maintenance Handbook,</th>
<th>B-64482EN</th>
<th>0</th>
</tr>
</thead>
</table>

*These Manuals are NOT included on the complimentary product-specific CD. A complimentary copy is shipped with the CNC.*

**Check here if no I/O is needed.**

Check here if I/O has already been purchased