



# FIELD SERVICE BULLETIN

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**SUBJECT:** HTD/Poly-Chain GT belts/pulleys

**SUPERSEDES NUMBER:**

**PRODUCT LINE:** Frame A BMC30/4020

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Due to the redesign of the spindle assembly this last year and the implementation of the Poly Chain belt to reduce noise, we have been forced to have more than one spindle assembly number. The original 003-1015-001 is still an HTD spindle assembly with all of the new design improvements. Any current HTD spindle assemblies in the field that fail should be replaced with the revised HTD 003-1015-001 spindle assembly. Engineering has recommended that none of the original HTD spindle assemblies be rebuilt, but rather replaced with the revised HTD assembly.

The new assembly is an 003-1015-005 which incorporates the new design changes and the Poly-Chain GT pulley. This assembly requires a different motor pulley and the Poly Chain belt. The new design with the Poly-Chain belt began shipments on the following frame numbers.

## **Quaser**

BMC30	Q-566	Shipped Sept. 6, 1997
BMC4020	Q-6215	Shipped Sept. 17, 1997

## **Litz**

BMC30	L-493	Shipped unknown date
BMC4020	L-60	Shipped unknown date

## **Oil Cooled HTD to Oil Cooled Poly-Chain**

The 003-1015-003 spindle assembly used with a spindle oil cooler on the head growth compensation assembly has been redesigned to incorporate the new spindle design and the Poly-Chain belt (originally was an HTD design). This assembly is no longer supported as an HTD design. If a replacement is needed for the HTD style, the machine will have to be converted to the new Poly-Chain belt. This will include changing the spindle assembly, the belt, and the motor pulley.

The following is a table of parts for both the HTD assemblies and the Poly-Chain GT assemblies.

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### **Poly-Chain-GT**

<u>Machine Type</u>	<u>Poly Belt</u>	<u>Spindle Pulley</u>	<u>Motor Pulley</u>
<b>30 Yaskawa (8000rpm)</b>	204-0007-012	803-1046-021	803-1046-003
<b>30 Siemens (8000rpm)</b>	204-0007-012	803-1046-021	803-1046-024
<b>4020 Siemens (6500rpm)</b>	204-0007-013	803-1046-021	803-4014-008
<b>4020 Siemens (8000rpm)</b>	204-0007-013	803-1046-021	803-1046-009

### **HTD**

<u>Machine Type</u>	<u>HTD Belt</u>	<u>Spindle Pulley</u>	<u>Motor Pulley</u>
<b>30 Yaskawa (8000rpm)</b>	204-0007-010	803-1046-001	803-1046-003
<b>30 Siemens (8000rpm)</b>	204-0007-010	803-1046-001	803-1046-014
<b>4020 Siemens (6500rpm)</b>	204-0008-021	803-1046-001	803-4014-001
<b>4020 Siemens (8000rpm)</b>	204-0008-022	803-1046-001	803-4014-006

### **NOTE:**

Converting any HTD style machine to the Poly-Chain GT style will require new motor mounting holes to be drilled in the top of the head casting for proper belt tensioning.