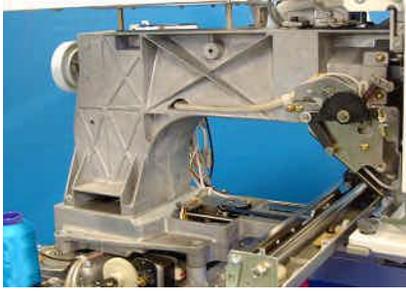
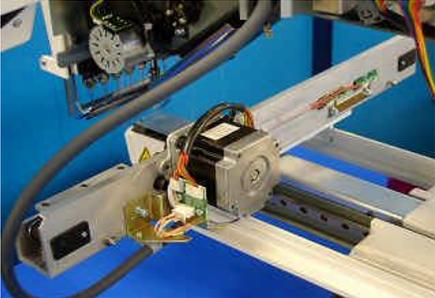
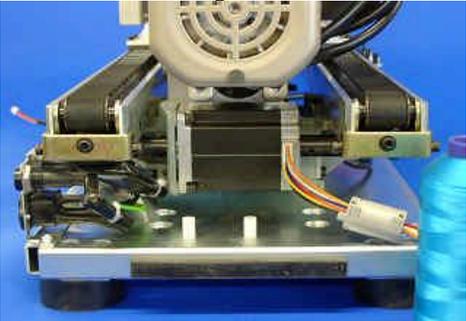
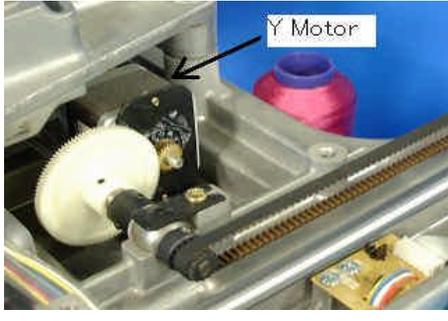
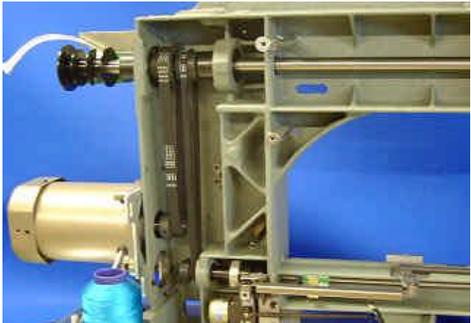
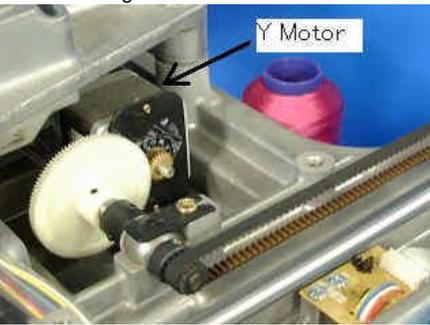


Comparison: HAPPY HCS Voyager vs. "Brand B" Machine

	HAPPY HCS-1201	Other Brand	What's Different?
1. Needle Count	12 Needles	6 Needles	HCS is more versatile.
2. Sew Area	12" x 12"	7-7/8" x 11-3/4"	HCS sews larger designs
3. Cap Sew Area	3" x 10.5" with optional Wide Cap Frame	2" x 5" with optional Cap Frame	HCS sews larger designs
4. Machine Body	<p>Iron thin-wall Casting</p> 	<p>Aluminum</p> 	HAPPY HCS has an iron thin-wall casting that is much stronger than cast aluminum.
5. Sewing Motor	<p>Endurance about 15,000 hours</p> 	<p>Endurance about 2,000 hours</p> 	HAPPY HCS sewing motor is much more durable with over <i>SEVEN TIMES</i> the rated service life.
6. X-Carriage Motor	<p>Large size</p> 	<p>Small size</p> 	HAPPY HCS X-motor is larger, more accurate, with more available power.
7. Y-Carriage Motor	<p>Large size</p> 	<p>Small size</p> <p>Y Motor</p> 	HAPPY HCS Y-motor is larger, more accurate, with more available power.

<p>8. Main Motor Belt Size</p>	<p>Wide 10mm Motor Belt</p> 	<p>Narrow 6mm Motor Belt</p> 	<p>HAPPY HCS has Wide 10mm Motor Belt for higher accuracy and better transfer of motor power when sewing heavier materials.</p>
<p>9. Carriage Motor Belt Size</p>	<p>X-carriage 15mm belt and metal pulley</p> 	<p>X-carriage 6mm belt and plastic pulley</p> 	<p>HAPPY HCS has Wide 15mm belt for higher accuracy and better transfer of motor power when sewing heavier materials.</p>
	<p>Y-Carriage 20mm Belt and Metal Pulley</p> 	<p>Y-Carriage 6mm Belt and Plastic Gear</p> 	<p>HAPPY HCS has Wide 20mm Belt for higher accuracy and better transfer of motor power when sewing heavier materials.</p>
<p>10. Main Shaft Size</p>	<p>15 mm</p> 	<p>12.8 mm</p> 	<p>HAPPY HCS has a larger, sturdier 15mm Main Shaft.</p>

HAPPY HCS-1201

Other Brand

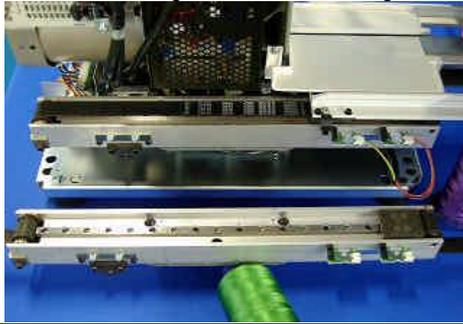
What's Different?

11. Carriage System

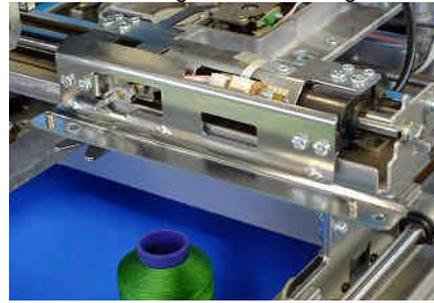
X-Carriage Guide Rail Bearing



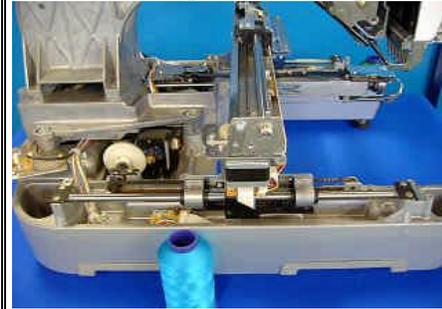
Y-Carriage Guide Rail Bearing



X-Carriage Guide Bushing



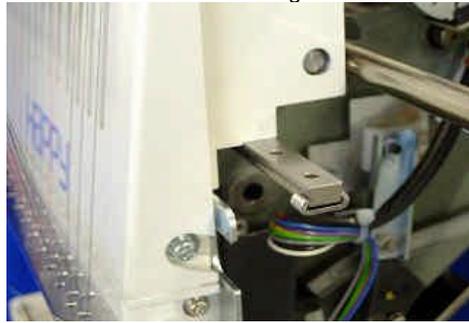
Y-Carriage Guide bushing



HAPPY HCS machine uses sealed Roller Bearings that run much more smoothly and have a much longer life. Bushings have metal-to-plastic contact and will wear-out faster.

12. Moving Head System

Rail Bearing



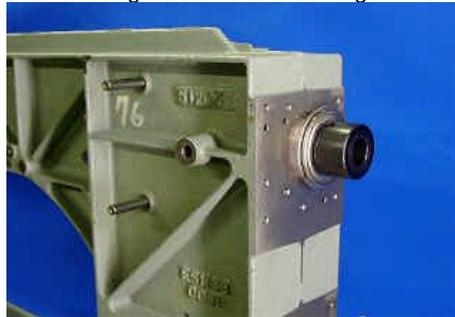
Trench Rail



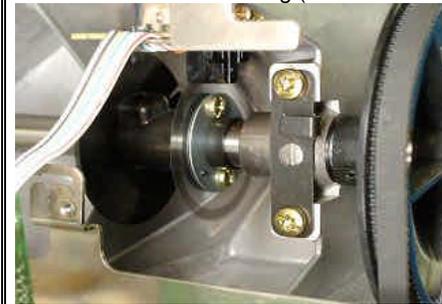
HAPPY HCS machine uses sealed Roller Bearings that run much more smoothly and have a much longer life. Bushings have metal-to-plastic contact and will wear-out faster.

13. Main Shaft Mounting System

Large sealed roller bearing



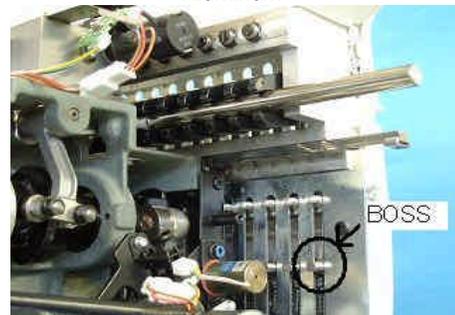
Metal-to-metal bushing (like home)



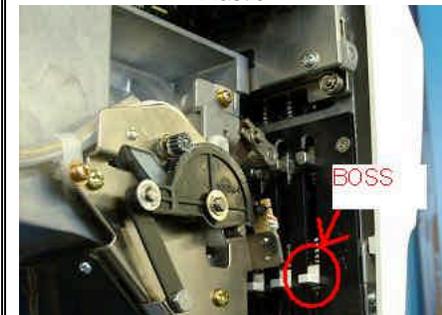
HAPPY HCS machine uses full sealed Roller Bearings for the upper and lower shafts. Bushings have metal-to-metal contact and will wear-out faster.

14. Presser Foot Boss

Aluminum



Plastic



HAPPY HCS machine uses an Aluminum Presser Foot Boss instead of Plastic for higher strength and longer life.

15. Assembly

Made in Japan

Made in Taiwan

HAPPY HCS has better quality

16. Ease of Use

Unobstructed work area under the sewing head.

Protruding 'legs' that interfere and 'snag' larger embroidered items

HAPPY HCS offers easier operation.