

When feel a character quality issue...

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SAMPLE PIC. : The above sample is standard character quality of MarkinBOX.

[SYMPTOM 1] UNCLEAR CHARACTERS

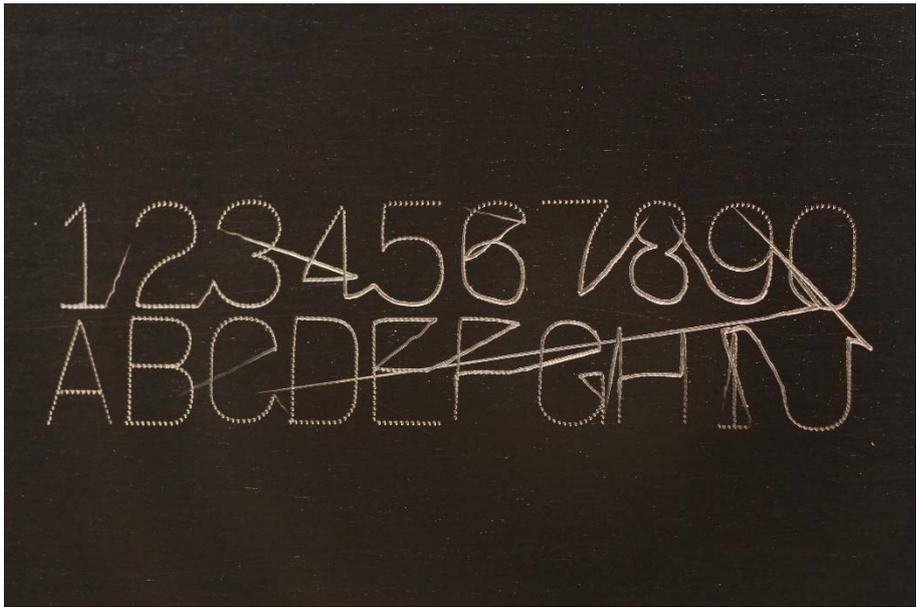
<p>SAMPLE PIC.</p>	
<p>POSSIBLE CAUSE (1)</p>	<p>Backlash (play) pin holder Please check if feel a backlash between a pin and the pin holder. If you feel a play between them, a quality of marking may be unclear.</p> 
<p>SOLUTION (1)</p>	<p>Please change new pin holder.</p>

<p>POSSIBLE CAUSE (2)</p>	<p>Backlash (play) solenoid block</p> <p>Please check if feel a backlash (play) the solenoid block while the MB2 is power ON. While the MB2 is power ON, the solenoid block is been holding normally. If you feel a play the solenoid block during ON power, a quality of marking may be unclear.</p> 
<p>SOLUTION (2)</p>	<p>It needs a repair, please contact to our agent or service center.</p>

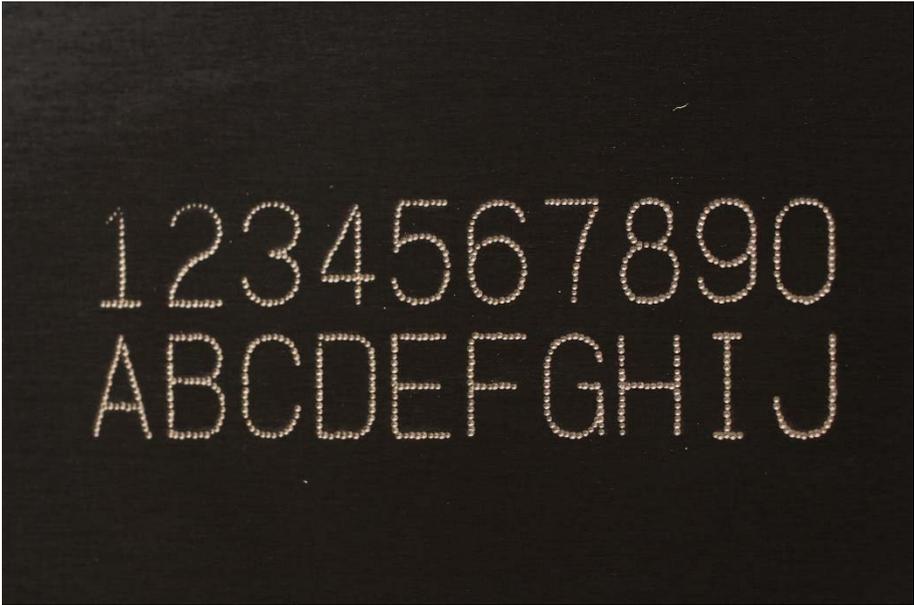
[SYMPTOM 2] LOOKS WIDER TEXT OR UNABLE TO GET ENOUGH DEPTH.

<p>SAMPLE PIC.</p>	
<p>POSSIBLE CAUSE</p>	<p>Becoming round tip of pin.</p> 
<p>SOLUTION</p>	<p>Please change new pin or regrind the tip of pin.</p>

[SYMPTOM 3] SCRATCHED CHARACTER

<p>SAMPLE PIC.</p>	
<p>POSSIBLE CAUSE</p>	<p>Too close distance between the pin and workpiece.</p> 
<p>SOLUTION</p>	<p>Please check if it is a suitable distance between the pin and the workpiece. Too close the distance isn't only able to get good quality but also enough power. Please see the attached a table for relation of the distance and force</p>

[SYMPTOM 4] UNSTABLE CHARACTER QUALITY

<p>SAMPLE PIC.</p>	
<p>POSSIBLE CAUSE (1)</p>	<p>Too far distance between the pin and workpiece.</p> 
<p>SOLUTION (1)</p>	<p>Please check if it is a suitable distance between the pin and the workpiece. Too far the distance makes not only uneven quality but also less power. Please see the attached a table for relation of the distance and force.</p>

<p>POSSIBLE CAUSE (2)</p>	<p>Deformed spring</p>
<p>SOLUTION (2)</p>	<p>Change new spring. Don't start marking without a workpiece. It is one of the causes of deterioration of the spring. Please adjust the distance of the Pin and workpiece due to not occur marking without a workpiece.</p> 

<p>POSSIBLE CAUSE (3)</p>	<p>Not tightly fixed the marking head.</p>
<p>SOLUTION (3)</p>	<p>Please check if the marking head is fixed tightly. If using with unoriginal stand or building it into the system, check if fixed it tightly using 4 screws (M5) for mounting.</p> 

[TABLE 1] DISTANCE OF PIN AND WORKPIECE

Standard Solenoid		Distance between parts and pin (mm)												
		~	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Force	1	◎	○	×	×	×	×	×	×	×	×	×	×	×
	2	◎	○	○	△	△	×	×	×	×	×	×	×	×
	3	○	○	○	◎	◎	◎	○	○	○	○	△	△	△
	4	○	○	○	○	◎	◎	◎	◎	◎	○	○	○	○
	5	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○
	6	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○
	7	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○
	8	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○
	9	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○
	10	○	○	○	○	○	○	◎	◎	◎	◎	◎	○	○

BSD		Distance between parts and pin (mm)										
		0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Force	1	△	△	△	○	○	◎	◎	◎	◎	○	○
	2	△	△	△	○	○	◎	◎	◎	◎	○	○
	3	△	△	△	○	○	◎	◎	◎	◎	○	○
	4	△	△	△	○	○	◎	◎	◎	◎	○	○
	5	△	△	△	○	○	◎	◎	◎	◎	○	○
	6	△	△	△	○	○	◎	◎	◎	◎	○	○
	7	△	△	△	○	○	◎	◎	◎	◎	○	○
	8	△	△	△	○	○	◎	◎	◎	◎	○	○
	9	△	△	△	○	○	◎	◎	◎	◎	○	○
	10	△	△	△	○	○	◎	◎	◎	◎	○	○