

# Rubber Roll Trouble Shooting Guide

## 1. Surface Cracks on Rubber

REASON	SOLUTION
Paddy falling directly on roller surface. Paddy not falling in the center of two rubber rolls.	Adjust the chute and make sure that the paddy falls in between both the rollers.
Rubber rolls are not interchanged for long hours and the roll-on faster shaft becomes very thin.	The roller on faster shaft tends to wear out quicker in comparison to the roller on the shaft with lower RPMs. Interchange the rolls periodically so that the fast shaft always has roller with more rubber on it.
If the Overheating of Rubber Rolls due to improper cooling system	Check cooling and exhaust blower arrangement.
High air pressure on rolls may cause over heating of rolls.	Adjust the pressure knob to maintain recommended pressure.
Rubber roll is not disengaged even when paddy does not flow.	Check the pneumatic system and rectify.
High moisture in paddy also may cause this problem.	Maintain 14% moisture at the time of de-husking.



## 2. Air Burst / Air Bubble in rubber roll

REASON	SOLUTION
High air pressure on the rubber roll in the beginning when the new rolls are fitted.	Start with zero pressure and slowly increase the pressure up to optimum level within half an hour.
Shaft misalignment – This may also cause air burst problem due to very high pressure generated at some point due to misalignment of shaft.	Check misalignment of the shaft and change the shaft / bearing.



### 3. Circumferential Lining on rubber

REASON	SOLUTION
Paddy flow not uniform	Ensure that the vibrator plate / feeder is working properly.
	Remove any foreign material like Thread, Grass etc. from shutter of the paddy flow.
	Check periodically that the paddy falls uniformly in between the rubber roll.
	Check if chute is worn out. In case of worn out replace with new one.



#### 4. Metal to Rubber Bonding Failure

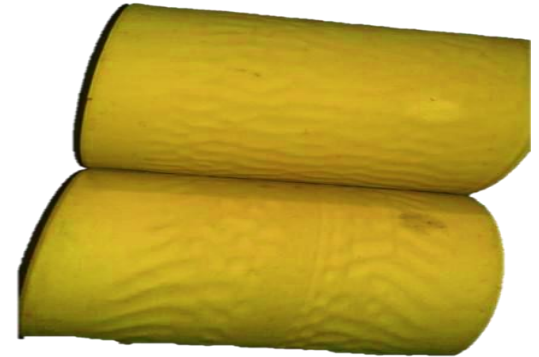


<b>REASON</b>	<b>SOLUTION</b>
This is a manufacturing defect.	The defective rubber roll is to be removed immediately from the husker and a new rubber roll is to be fitted. In case of bonding failure we give free replacement of rubber roll.

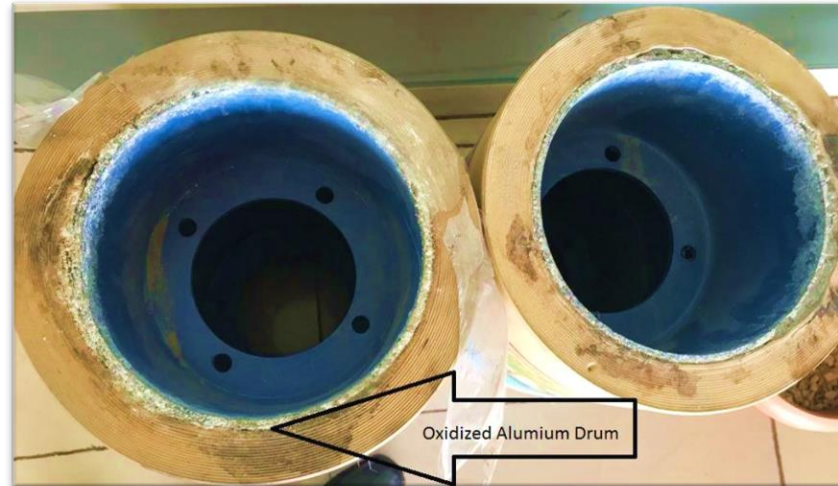
## 5. Uneven Surface Impression on Rubber Rolls

This Pattern is made on the roll surface due to vibration in the roll which can be due to following reasons

REASON	SOLUTION
The bearing of main shaft is worn out.	The bearing of main shaft is to be replaced with a new bearing.
Improper V-belt tension.	Check the V-belt tension and correct.
Hinge shaft bearing / shaft worn out.	Check hinge shaft and bearing assembly and if required repair.
CI adaptor or coupling for rubber roll may have worn out.	Change the adaptor or coupling.



## 6. Oxidization of Aluminum Drum



REASON	SOLUTION
Aluminum drum gets oxidized due to contact with water and moisture.	Store the rubber rolls away from moisture and any source of water. Do not store on floor. Always store on wooden / metallic / plastic pallets. Remove the packing only prior to use.

### *Important:*

*Always store rubber rolls in their original packaging until ready to use. Ideal storage area should have temperatures between 27 to 35 degrees centigrade. Never store rollers in containers parked in direct sunlight. Try to use the rollers within one year of manufacturing date.*