

# STAMPING SHOP

Shop	A Rank Equipment	Failure Mode	Thermal	Current	Vibration	Other Sensing Technology
Press	Press	Motor, Gearbox, or Bearing Damage	Use Sensor on motor to detect bearing temperature due to Friction heat	Use motor current sensor to detect current raise due to friction	Use Sensor on motor to detect vibration (axle, radius) due to bearing damage	
		Bearing Damage	Use Sensor on bearing to detect bearing temperature due to Friction heat		Use Sensor on bearing to detect vibration (axle, radius) due to bearing damage	
	Scrap System	Motor, Gearbox, or Bearing Damage	Use Sensor on motor to detect bearing temperature due to Friction heat	Use motor current sensor to detect current raise due to friction	Use Sensor on motor to detect vibration (axle, radius) due to bearing damage	
		Bearing Damage	Use Sensor on bearing to detect bearing temperature due to Friction heat		Use Sensor on bearing to detect vibration (axle, radius) due to bearing damage	
	Crane	Motor, Gearbox, or Bearing Damage	Use Sensor on motor to detect bearing temperature due to Friction heat	Use motor current sensor to detect current raise due to friction	Use Sensor on motor to detect vibration (axle, radius) due to bearing damage	
		Bearing Damage	Use Sensor on bearing to detect bearing temperature due to Friction heat		Use Sensor on bearing to detect vibration (axle, radius) due to bearing damage	
	Robots	Motor, Gearbox, or Bearing Damage	Use Sensor on motor to detect bearing temperature due to Friction heat		Use Sensor on motor to detect vibration (axle, radius) due to bearing damage	