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TABLET PRESS MAINTENANCE

Practical tips for tablet press maintenance. Regularly scheduled maintenance will ensure a reliable and smooth running tablet press.

Safety

- Carefully read and understand all safety messages on your machine.
- Replace missing or damaged safety signs.
- Rotate turret according to manufacturer's recommendations.

Daily Maintenance

- Remove, clean, lubricate and refit upper and lower punches.
- Check for free movement of all punches.
- Check for damage to punch heads and tips.
- Check scraper assembly and take-off plate.
- Check and clean feeder and paddles.
- Check punch holding devices.
- Check all pressure rolls for free movement.

Weekly Maintenance

- Check all gearbox oil levels.
- Check levels of automatic grease and oil reservoirs.
- Check that feed platform is level.
- Check cam running surfaces for wear.
- Check condition of weight adjustment assembly.
- Check that lubrication ports are free of blockages.
- Check that grease and oil injectors are primed and free of any air locks.
- Check pressure rolls.

Monthly Maintenance

- Check all oil lines and connectors.
- Check all pneumatic lines and connectors.
- Check for lift in pressure rolls.
- Check ejection height.
- Check die-locking screws.
- Drain water from filter trap.
- Check feed frame, scraper blade and tail over die for damage.
- Check and clean air filters.
- Check operation of all safety interlocks.
- Check operation of all cooling fans.
- Remove and clean all dust extraction pipes.

Yearly Maintenance

- Check all pressure roll bearings and pins.
- Check turret lift.
- Check punch tip deflection.
- Check for wear in die pockets.
- Drain and refill main gearbox and oil reservoir.
- Replace oil filter.
- Check all oil seals for signs of leakage.
- Check for any wear/backlash in the main gearbox.
- Check condition of all punch scraper seals.
- Check condition of solenoid valves.
- Check hydraulic system for leaks and recharge if necessary.

Bi-Annual Maintenance

- The press should be completely stripped down to examine all bearing surfaces, bearings, keys and keyways, drive shafts, etc.

Machine Lubrication and Inspection

- Regular inspection of all machine parts can and does prevent premature wear and damage.
- Regular cleaning of all machine parts reduces contamination risks and ensures continuity of operation.
- Regular lubrication checks and use of the correct grade of oil and grease in regular applications will reduce wear.

Inspection Checks - After Each Production Change

- Upper lifting cam
- Upper lowering cam
- Fill Cam
- Peripheral Faces of all Pressure Rolls
- Chamfer on Upper Cam Assembly
- High Level Cam
- Weight Adjustment Ramp and Head
- Oil Pumps
- Motor Bearings

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