Atlas Copco
Bolting & Metal Removal Tooling

NCMS Technology Showcase
Puget Sound Naval Shipyard

PROBLEM STATEMENT

When safety is compromised and accidents or injuries become inevitable, productivity and quality suffer. Issues arising from poor ergonomics are costly, and not only because of the rehabilitation process of affected operators; studies indicate that the cost of lost productivity and quality after an accident can be much greater than the cost of rehabilitation.

Atlas Copco Tools has for decades been aware of the importance of ergonomics in design, but also how improved ergonomics can increase productivity, quality, and the overall health of operators.

- Ergonomic Tooling Problems
- Productivity Issues
- Quality/ Re-work Costs
- Reliability Concerns
- High Cycle Times

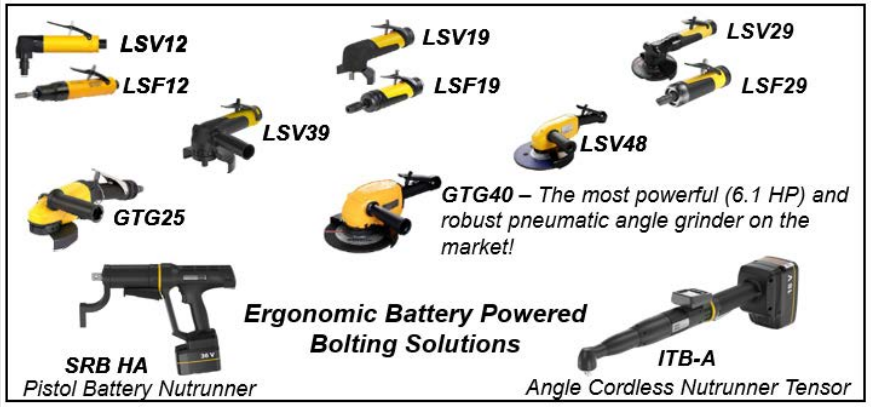
BENEFITS

Increase uptime with Atlas Copco pneumatic grinders that are ergonomically designed to be powerful yet comfortable and safe for operators. By offering an impressive power-to-weight ratio, our grinders deliver increased productivity with significantly less strain on operators over time. Implementing ergonomics into our tools means taking things into account such as sound and noise levels, vibration levels, power-to-weight ratio, etc. in order to ensure your operators' health and well-being. *This allows operators to get more work done, safely, in less time.*

- Reduced risk of vibration and noise related injuries.
- Less trigger time exposure.
- Optimized process speed and productivity.
- Exceptional Power-to-Weight ratio.
- High level of operator safety, comfort, and accessibility.
- Durable and long service intervals.

TECHNOLOGY SOLUTION

- Speed governor for maintaining higher speeds under load which reduces fatigue on the operator.
- Scatter dampening spindle for less vibration and longer abrasive life by reducing chatter.
- High power-to-weight ratio and ergonomic handles on all grinders.
- The LSF39 Die Grinder is developed with scatter dampening and a built-in silencer for reducing noise levels.
- Integrated Auto balancers in the LSV39, LSV48, GTG25 & GTG40 to reduce vibration by 50%, providing more comfort for the operator, and longer life for the abrasive.
- Durable and long lifetime due to sealed angle head, lubrication free motors, and quality manufacturing.

Good Ergonomics = Improved Productivity, Quality, and Decreased Cost

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