Machine & Process Safety Assessment (MPSA) Group is a division of Airline Hydraulics Corporation, an ISO 9001:2015 certified distributor of fluid power and automation products and engineered systems. MPSA has the in-house capability to help customers ascertain the safety of their machinery, determine necessary corrections, custom-design, manufacture and install the required solution, and validate the results. Our cost-effective machine safeguarding systems help reduce your liability and bring you into compliance with important safety standards.

Let MPSA help you reach your objective of an INJURY-FREE environment. Our solutions include:

**Mechanical Guarding**

MPSA designs customized mechanical guards with quality and durable materials including Bosch Rexroth’s aluminum framing and GSM’s powdered steel frames.

**Machine Tool Guarding**

Our machine tool guarding solutions include drill press guards, lathe chuck covers, lathe guards, milling machine guards, grinding wheel guards and more.

**Laboratory Isolation Enclosures**

We can provide fume hoods, isolation enclosures and lab production guards to protect lab personnel and prevent contamination of the lab environment.

**Safety Controls**

As part of your safety solution, we can include integrated safety controls for all types of control & power systems with hard-wired & programmable controllers.

**Safety Light Curtains**

MPSA understands the importance of selecting the appropriate light curtain and installing it properly. We perform a machine stop-time analysis to determine correct positioning for optimal protection of fingers, hands, or body.

**Sound Abatement Enclosures**

MPSA manufactures a broad range of custom-engineered sound abatement enclosures for every environment.
Our **PROCESS** is the **SOLUTION**

1. Safety Survey/Risk Assessment
2. Recommendation Report
3. Functional Requirements
4. Engineering
5. Project Management
6. Manufacturing
7. Field Installation
8. Validation
9. Maintain & Improve

MPSA follows global safety standards, including (but not limited to):

- **EN 292 Parts 1 & 2** (Safety of machinery: basic concepts, general principals)
- **ISO 13849-1** (Safety of machinery, safety-related parts of control systems, replaces EN 954-1)
- **ANSI B11.19** (Performance criteria for safety guarding)
1. Safety Survey/Risk Assessment

We identify the visible and hidden hazards of your machine and processes. If needed, we will recommend a full risk assessment.

2. Recommendation Report

We produce a Recommendation Report, complete with itemized costs, which lists recommended solutions and prepares your team for internal budget approval.

3. Functional Requirements

We collaborate with your team to further evaluate action items and create a detailed set of functional requirements. An implementation plan is put into place to work out a complete guarding solution.

4. Engineering

Our engineering group designs and generates CAD drawings for the machine guards and safety control system upgrades.
5. Project Management
We manage the project to make sure it’s running on schedule and on budget.

6. Manufacturing
We manufacture the machine guards and assemble the safety controls for installation.

7. Field Installation
We install your guarding and safety control solutions with minimal disruptions to your operations.

8. Validation
We test, calibrate, and confirm the operation of the safety system and verify the risk is controlled.

9. Maintain & Improve
We train your staff on how to use, monitor and maintain your safety system.
MPSA is a division of Airline, an ISO 9001:2008 certified distributor of safeguarding products from the names you know and trust.