



Sustainability



Longevity & Performance



Cost Savings

## OVERVIEW

This case study illustrates how IPS partnered with a leading can plant in North America to **enhance efficiency and sustainability**. By upgrading their valve systems to AirSAVE, **IPS significantly reduced energy consumption and operating costs**, aligning the plant with its sustainability goals while improving productivity.

## CASE STUDY SUMMARY



### 1. The Challenge: Inefficient Valve Systems

The plant utilized outdated valve systems on its bodymaker and cupper equipment, leading to excessive consumption of compressed air and maintenance downtime.



### 2. Seeking Solutions: Partnership with IPS

IPS proposed converting to AirSAVE valves, known for their rapid cycling and durability, to address inefficiencies and reduce maintenance downtime.



### 3. Success: Performance Results

Prior to installation, IPS performed a thorough baseline air usage study. Post-installation of the AirSAVE valves, air usage tests revealed a significant reduction in consumption: bodymakers decreased by 66%, and coppers by 53%, totaling a reduction of 1,775 SCFM.



### 4. Robust Solution: Achieving Sustainability and Longevity

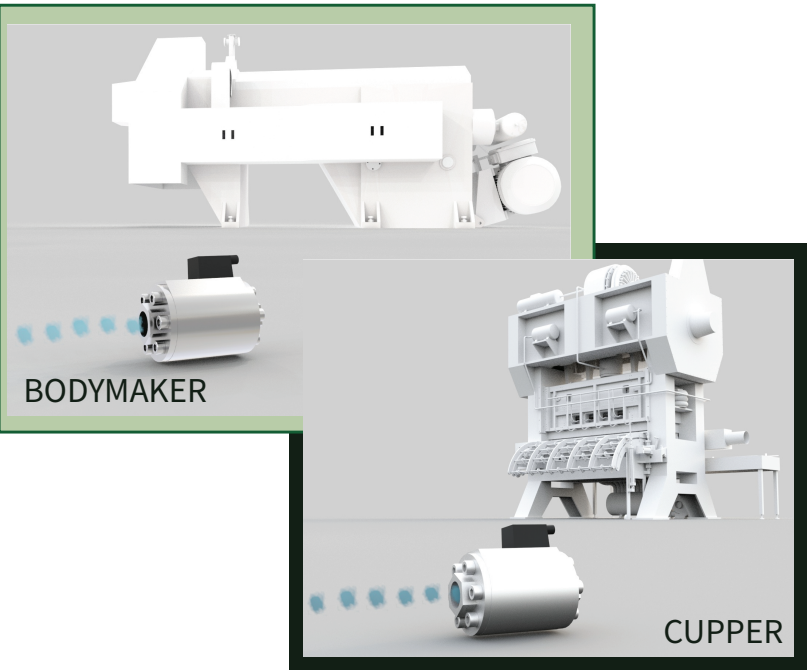
The implementation of AirSAVE valves not only improved immediate efficiency but also extended the lifespan of equipment, reducing downtime and maintenance costs.



### 5. Customer Goals: Improved Operations and Sustainability

By reducing compressed air consumption, the plant has not only improved profitability but also aligned with its sustainability objectives.





## SOLUTION

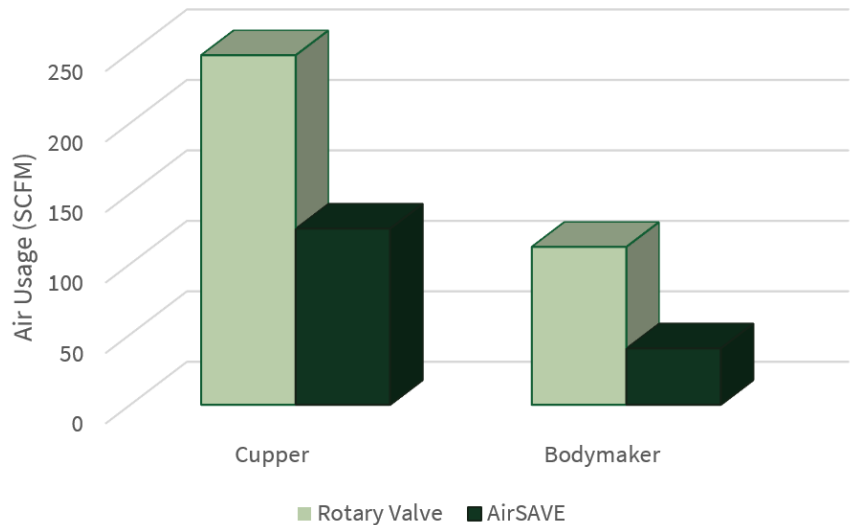
### Implementing AirSAVE Valve Technology

- IPS' highly trained team gathered information before coming on-site to accurately setup the AirSAVE Valve.
- Once on-site, IPS performed a **thorough air audit** to identify & address any air leaks & air usage inefficiencies
- Installed new air valves & recorded performance
- IPS optimized control settings for **maximum performance**

## RESULT

### Efficiency Gains and Sustainability Impact

- Air usage tests post-implementation showed significant reductions: **bodymakers decreased by 66%, coppers by 53%, totaling a reduction of 1,775 SCFM.**
- Removal of one 1000HP compressor **exceeded turn-down ratio, leading to operational savings and reduced energy consumption.**
- With AirSAVE valves rated for 5 billion cycles, **extended equipment lifespan is anticipated, reducing downtime and enabling increased focus on quality can production.**



## FUTURE Long-Term Sustainability and Performance

- The efficiency improvements not only **enhanced profitability** but also propelled the plant towards its long-term sustainability goals by **reducing energy consumption.**
- Anticipated benefits include **continued operational savings, reduced maintenance costs, and a more sustainable production environment,** supporting the plant's commitment to environmental responsibility and quality output.
- After favorable results, the **customer is determining additional plants to have IPS install the AirSAVE system.**