

PASKAL Group Colored Agriculture Clips

Business overview

- PASKAL Group is a global producer of greenhouse accessories and crop-support systems for the agriculture industry
- PASKAL Group manufactures over 4 billion plastic clips and hooks each year through continuous 24/7 injection molding,



Business challenge

- Previous dosing equipment showed major inconsistencies, particularly at low dosing percentages.
- When set at 0.5%, systems often delivered additive deviation, resulting in overdosing, color drift, and wasted masterbatch.
- With production running 24/7, even small inaccuracies created significant cost impact.

Business outcomes

- Dosing accuracy improved from $\pm 0.5\%$ to $\pm 0.05\%$, reducing color consumption (saving approx. €160,000 annually).
- No color drift or variation, even in low-opacity agricultural products.
- Operators report a quiet, stable process — no interruptions or complaints.

Capacity enabled

- Gravimetric dosing for precise control and consistent material flow.
- Self-calibrating and auto-adjusting system ensures stable operation without manual intervention.
- Unattended running after start-up supports 24/7 production without interruptions.

Business impact

Revenue increase	✓
Costs decrease	✓
Proof of compliance	✓
Increased efficiency	✓

Customer case



“After just two days of testing, it was clear that Movacolor’s system delivered the precision and stability we needed.

Jack Belmacher, Production Manager.

Business solution

PASKAL Group Colored Agriculture Clips



Technology enablers

- Gravimetric dosing technology measures material by weight rather than volume. This enables real-time compensation for bulk density changes, meaning if the material density shifts, the system still doses the correct weight.
- The feeder automatically adjusts dosing rates based on weight based material consumption, ensuring a consistent process and preventing over- or under-dosing of raw materials.

Customer case

M | MOVACOLOR

Technology solution

Capabilities

- Consistent, high-precision dosing under varying production conditions.
- Reliable long-term performance across multiple sites and material types.
- Real-time material usage tracking for better cost control. sustainability reporting.

Benefits

- Verified cost savings and material efficiency after transition to MDS Balance.
- Operator satisfaction and production stability significantly improved.
- Sustainability gains through reduced colorant

Requirements

- Gradual rollout to other sites allows controlled adoption and minimal downtime.
- Ongoing integration with centralized monitoring systems to expand visibility and reporting.