

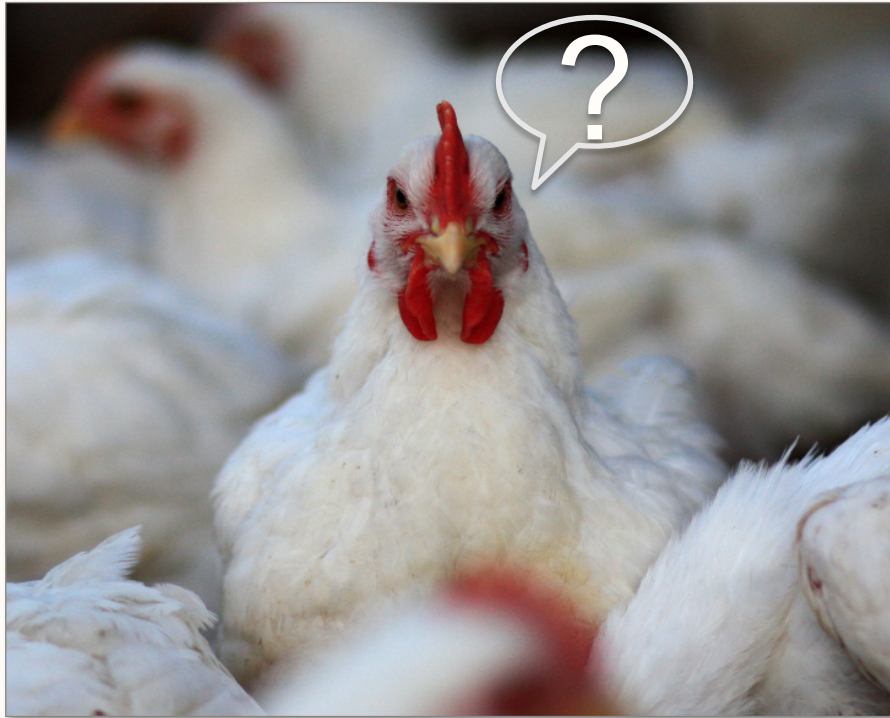
Welcome



Rules, legislation & *reversible* stunning

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The water bath stunner

No longer a sustainable option

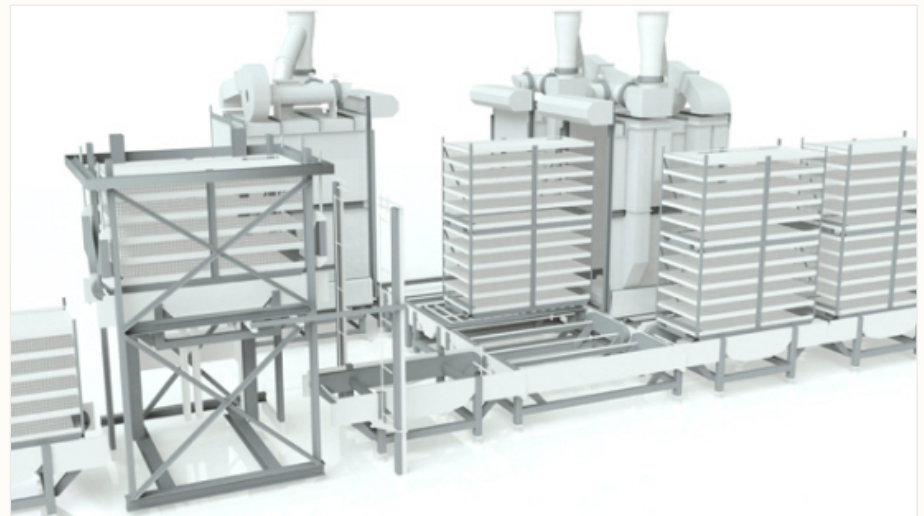


Controlled Atmosphere Stunning



Marel CAS system

Meyn CAS system



To big, to expensive, not reversible
nor environmentally friendly



Head-only Stunning

Head-only Stunning

The only legal way to apply an electrically induced stun

Rules & legislation

- Compliant wit EC 1099
- Crucial parameters
- Stored data

The product

- Less trimming
- Reversible stunning
- More "A" grade product



Rules & legislation

EC 1099/2009 compliancy

Crucial parameters

- ✓ Minimum current (mA)
- ✓ Minimum tension (V)
- ✓ Maximum frequency (Hz)
- ✓ Minimum duration (t)
- ✓ Maximum stun-stick (t)
- ✓ Optimized current flow
- ✓ Pre-shock prevention
- ✓ Optimized location contact plates
- ✓ Calibration frequency

Data logging

- ✓ All data is collected
- ✓ Stored as .csv file
- ✓ At lot level
- ✓ Time and date stamped
- ✓ Integration with existing track & trace possible.

Independent study's



WAGENINGENUR
For quality of life

- ✓ Lambooij et al. 2011 proof of concept study
- ✓ Gerritzen et al. 2015 ground truthing study at 13500 bph
- ✓ Verifying the compliance of the Head Only Electrical Stunner.

The product

Reversible stunned

More “A” grade product

- Less to none blood spots to be found in the fillet meat
- Increased revenue through more “A” grade product

Less trimming costs

- Less labor on trimming final product
- Decreased loss through less “down” graded product

Says who?

- Various research preformed by Wageningen UR



Why do you want it?

The pros' out way the cons'!

Pros'

- ✓ More "A" grade product
- ✓ Reduced trimming costs
- ✓ Beter product presentation
- ✓ Compliant with EC 1099/2009

Cons'

- Cost per bird is 0,082 euro cent higher then water bath stunning



Brussels, 19.12.2013
COM (2013) 915 final

REPORT FROM THE COMMISSION TO
THE EUROPEAN PARLIAMENT AND
THE COUNCIL
on the various stunning methods for
poultry

The Head-only Stunner

A fitting solution for any speed

1000 – 5000 bph

➤ 6" – 16 app. 6m²

4500 – 9500 bph

➤ 6" – 24 app. 10m²

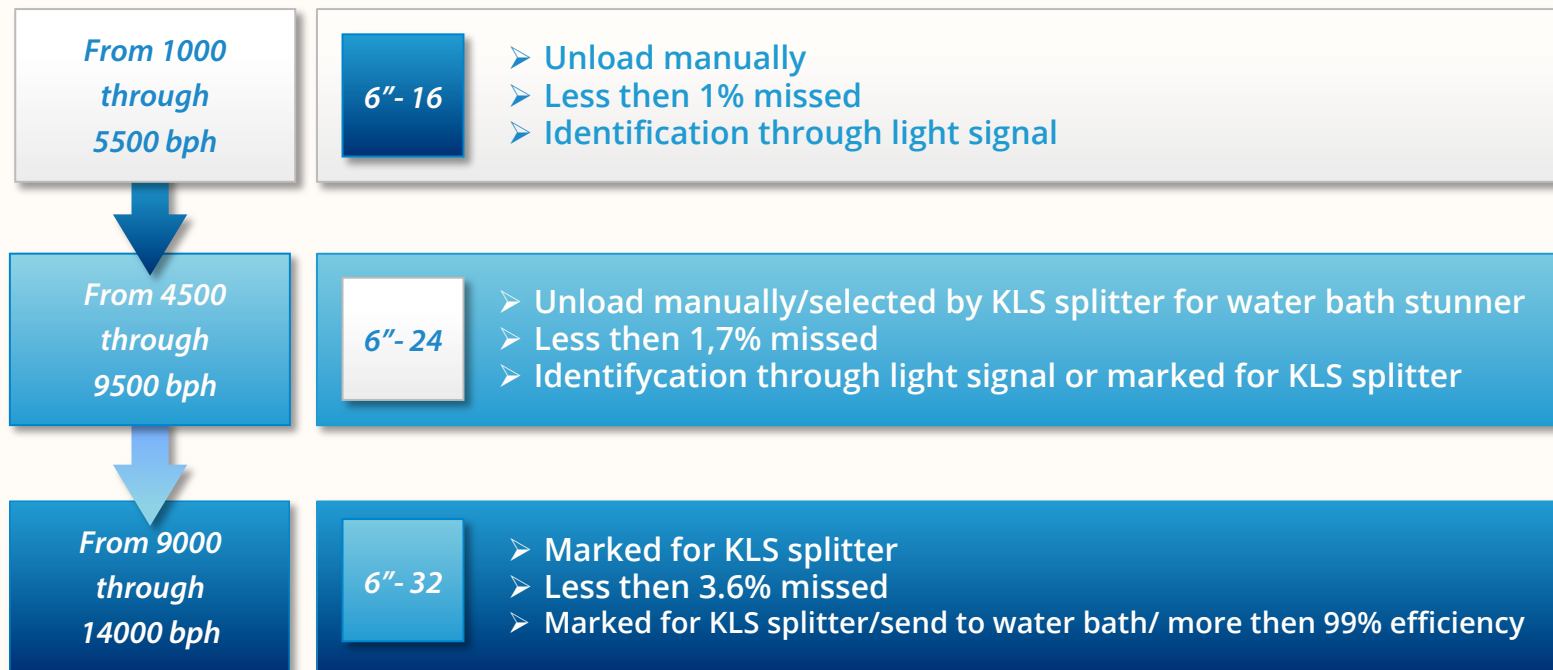
9000 – 14000 bph

➤ 6" – 32 app. 16m²



3 different machine sizes

*2 way's of handling missed birds
semi or full automatic*



Kill Line Shackle (KLS) splitter



KLS splitter at work

Fully automated 99,4%



Smart, simple and extremely effective



Head-only Stunning, this is why

- ✓ In compliance with latest rules & legislation
 - ✓ It's the only *reversible* stunning to date
 - ✓ Tested by the Wageningen University
 - ✓ Applicable from 1000 > 14000 bph
 - ✓ Fully automated +99% efficiency
 - ✓ Smallest possible footprint
 - ✓ Improved product quality

Visit us at www.dutchvisionsolutions.com
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Take the next step!

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details

Lets make an
appointment!

Thank you!

