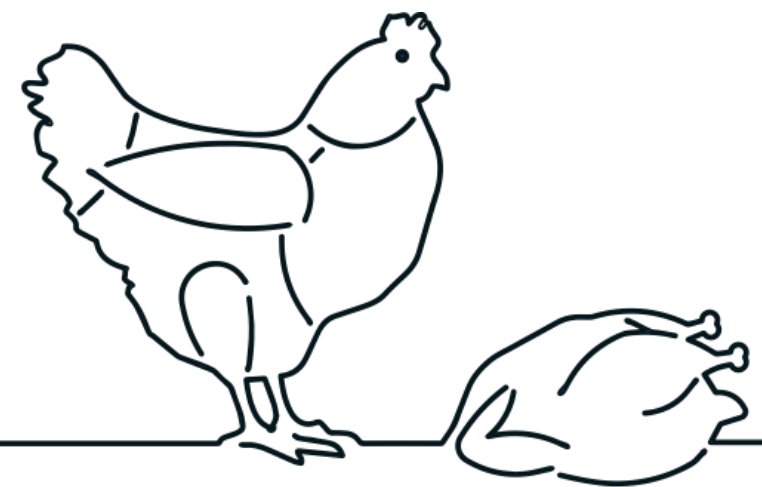


'Head-only' electrical stunning best alternative for CAS-system



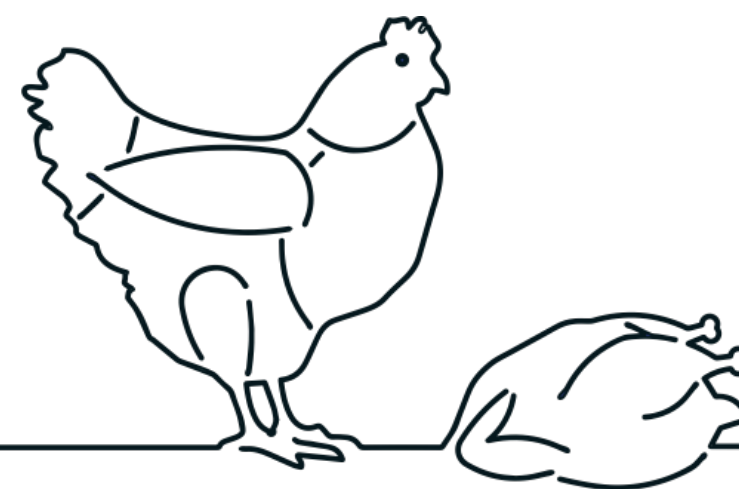


VIDEO

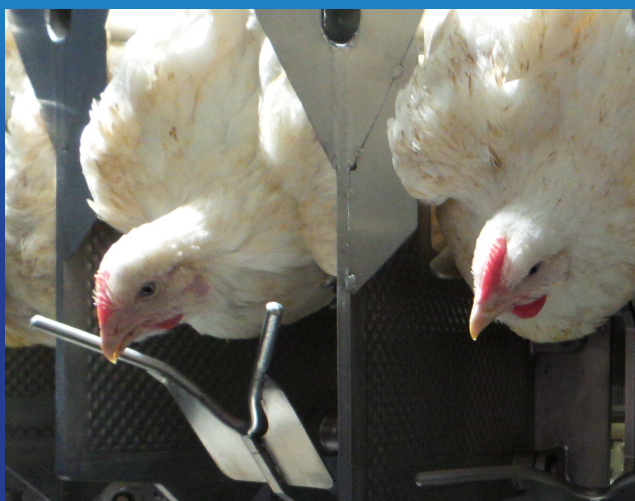


Dutch Vision
s o l u t i o n s

Poultry Vision
'Head-only' stunning



Poultry Vision *Far beyond EC1099*



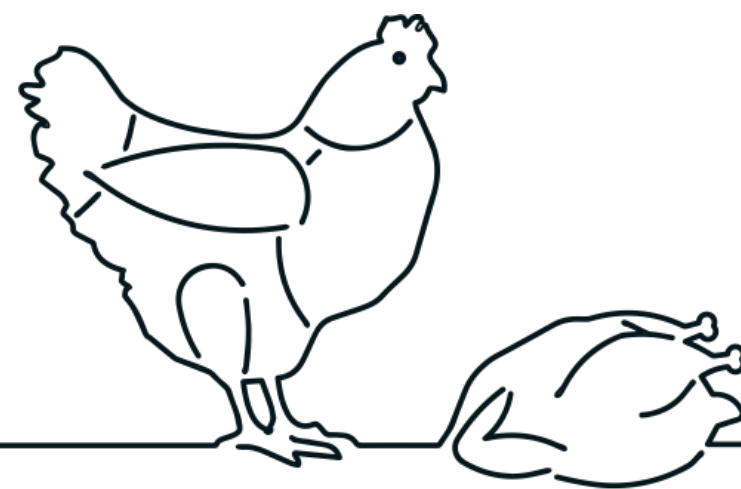
VIDEO



Dutch Vision
s o l u t i o n s

Poultry Vision

KLS - Splitting



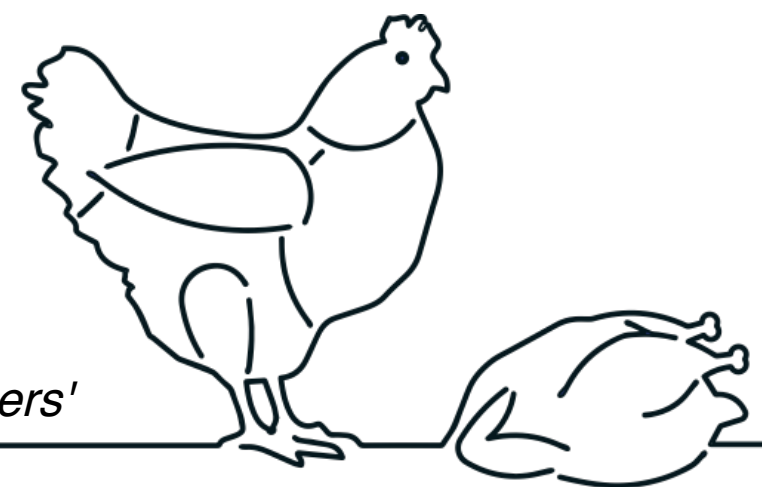
Poultry Vision *Far beyond EC1099*

CAS and 'Head-only' almost equal on product quality and efficient stunning

1). Equally improved product quality, minimum residue

2). CAS = 99,6% efficient stunning

'Head-only' when fully automated with KLS systeem 99,4% efficiency
stunning



**Please contact us for calculations based on Dutch Vision 'Head-only' parameters'*

'Head-only' electrical stunning

€ 0,01 per chicken less expensive as CAS (*EU-Committee*)*

Limited floorspace, only 16m² + 9000 bph

The only legally accepted *reversible stunning* to data

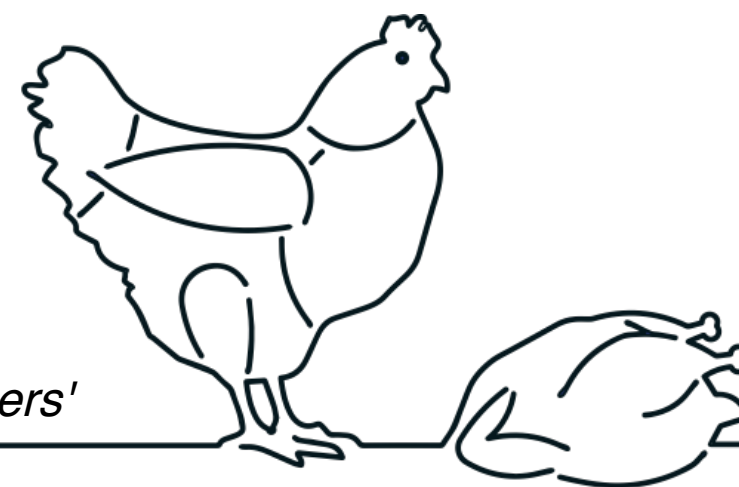
Applicable *in lines from 1000 > 14000 bph*

When fully automated with *KLS systeem 99,4% efficiency*

Tested by Wageningen University - Far beyond the EC1099, WATOK and EFSA

rules, legislations and opinions

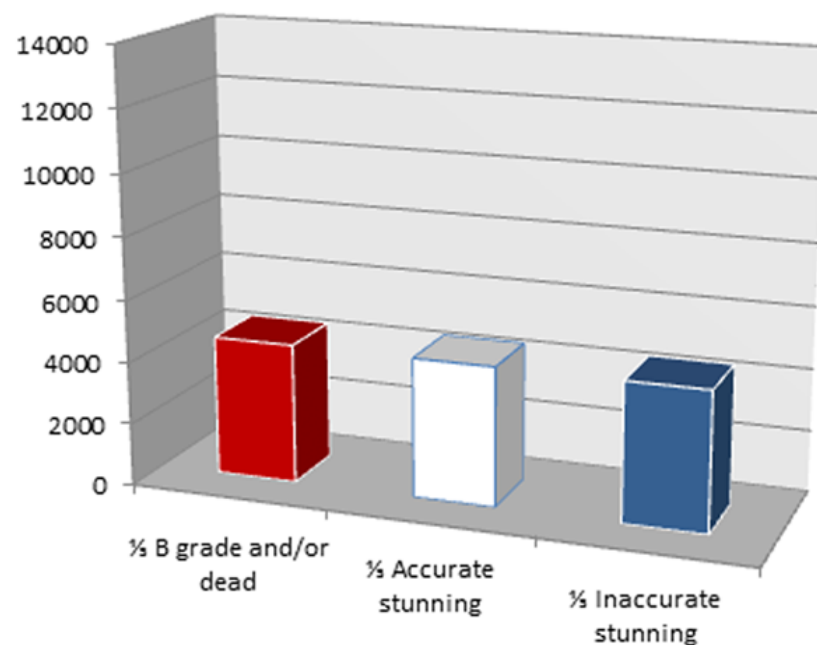
Improved *product quality*



**Please contact us for calculations based on Dutch Vision 'Head-only' parameters'*

Poultry Vision *Far beyond EC1099*

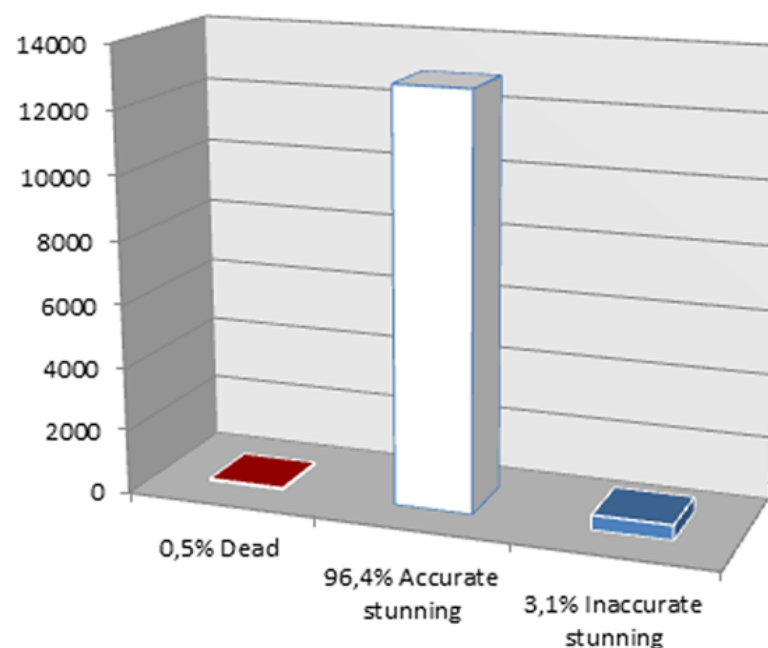
Water bath stunning efficiency totals ^{1 2}



1. Woolley (et al. 1986a.b);
- 1/3 of birds are effectively stunned
 - 1/3 are inadequately stunned
 - the remaining 1/3 undergo cardiac arrest

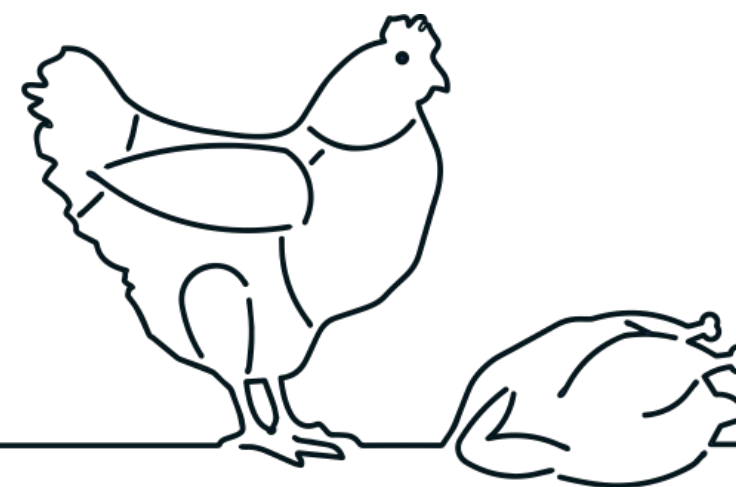
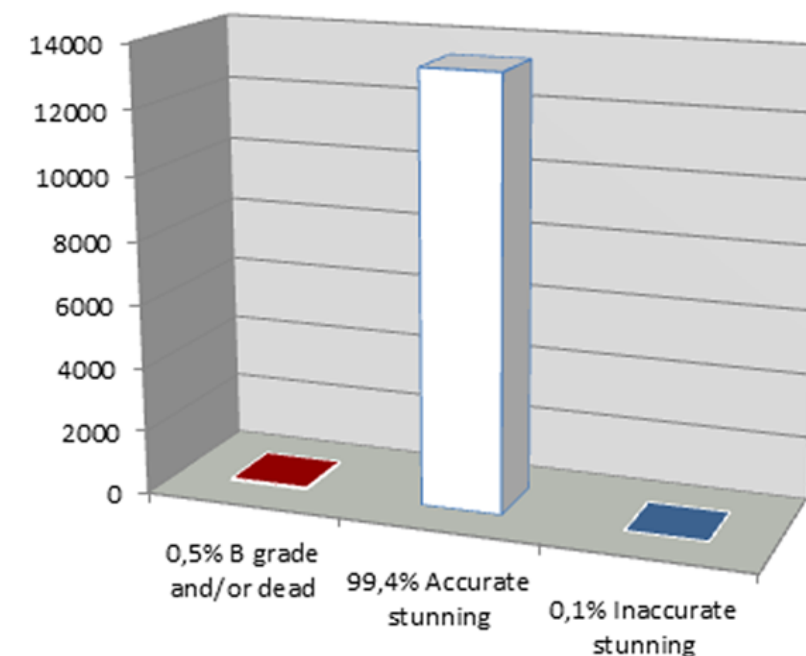
2. Hindle (et al. 2010); Ultimately, this can lead to problems with:
- Animal welfare (failure to lose consciousness or rapid recovery)
 - Product quality (haemorrhaging, bone fractures)

Head Only stunning efficiency totals ³



3. In Livestock Research Report 442 "Efficacy of the Dutch Vision 'Head-only' poultry stunner" Gerritzen (et al. 2010) tested, under slaughter-house conditions at 13500bph. an efficiency of;
- 0.5% dead product
 - 96,4% accurate stunning
 - 3,1% inaccurate stunning missed birds, empty shackles)

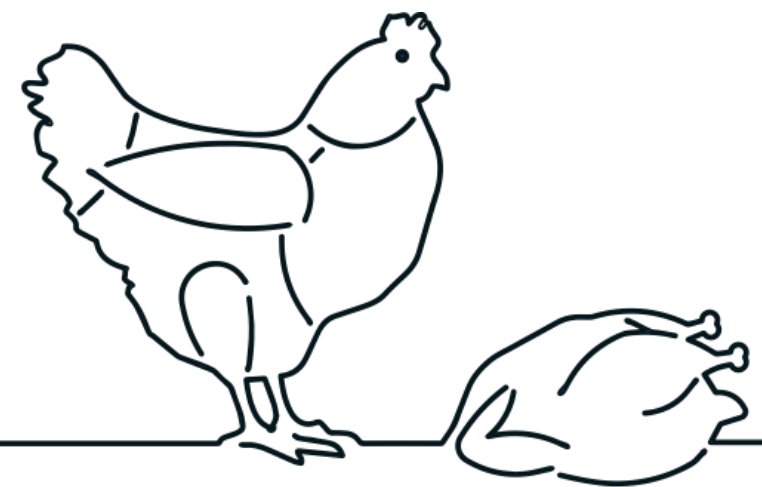
Head Only, splitter & water bath totals





*A-Grade Product Quality
Quick Return-on-Investment
Limited Floorspace
Reversible Stunning
99,4% well stunned*

Thank you



Poultry Vision *Far beyond EC1099*