

QUEST STUNNER M1.0



Consistent, gentle stunning **for welfare & quality**

- ✓ Very high percentage of A-grade fillets
- ✓ Stun bath is completed in less than 10 seconds
- ✓ Modular design

MEYN®



Standard feature

- A** Control Panel
- B** Adjustable in-feed plate to prevent pre-stun shocks
- C** Height adjustment

High frequency water bath stunner

Minimizes hemorrhages to preserve meat quality

The Quest M1.0 renders birds unconscious prior to bleeding, supporting animal welfare and uniform product quality.

Shackled birds are led on the overhead conveyor through the water bath, where only the head is immersed. An electrode in the bath and another on the shackle guide complete the circuit, so current passes through the bird's body. Operators can set 20–300 V and 70–2,500 Hz¹ to match flock condition and line speed.

When operated within validated settings, birds are unconscious and insensible to pain during the neck incision.

¹ At higher-than-mains frequencies (i.e., above 50/60 Hz), the electrical stimulus produces a milder physiological response with reduced muscle contractions, which helps reduce hemorrhages and supports meat quality.

**smart &
flexible**
design

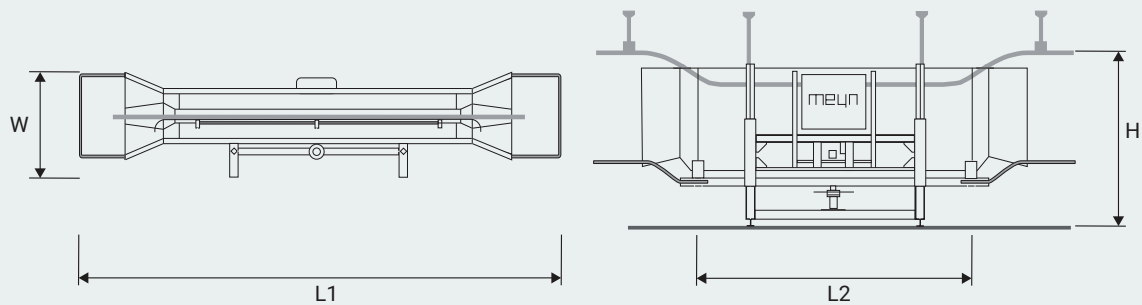
Pre-stun
**shocks
prevented**

Optimal
**stun-
quality**
balance

Optional equipment

- 1** Data Registration Module records and stores settings (compulsory in the EU)
- 2** Salt container ensures highly conductive water quality

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Specifications

Unit		M	L	XL	XXL	XXXL
Capacity at 6" *	BPH	6,800	8,500	10,400	12,000	
Capacity at 8" *	BPH	5,000	6,000	7,500	9,000	
Capacity at 6" **	BPH	7,600	9,200	11,200	13,200	15,000 ***
Capacity at 8" **	BPH	5,600	6,800	8,400	10,000	
Live weight	kg	1 - 5	1 - 5	1 - 5	1 - 5	1 - 5
Effective water bath length (L1)	mm	2,900	3,650	4,400	5,150	6,150
Total water bath length (L2)	mm	4,550	5,300	6,050	6,800	7,800
Total length including safety (L3)	mm	5,650	6,400	7,150	7,900	8,900
Width (W)	mm	1,300	1,300	1,300	1,300	1,300
Height (H)	mm	2,000	2,000	2,000	2,000	2,000
Weight	kg	500	520	540	560	580
Electric power installed	kW	3	3	3	3	3
Water connection	BSP	1/2"	1/2"	1/2"	1/2"	1/2"
Water consumption	l/bird	0.08	0.08	0.08	0.08	0.08
Drain connection	mm	DN40 (Ø50 PVC)	DN40 (Ø50 PVC)	DN40 (Ø50 PVC)	DN40 (Ø50 PVC)	DN40 (Ø50 PVC)



Meyn® QUEST STUNNER M1.0



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- Expand your production capabilities
- Identify new market opportunities

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- Safeguard investments and enhance profitability
- Specific system and machine training
- Customer specific training options

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- Tailormade demo's based on your needs
- Available online in multiple languages

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- ✓ 24/7 Helpdesk

Maintenance

- ✓ Tailored maintenance
- ✓ Updates and inspections
- ✓ Machine maintenance

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- ✓ eProcurement portal



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Birds prefer **MEYN**®

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