The **Egginject** is the latest generation In Ovo vaccination machine combining a patented dual speed injection system that optimizes the vaccination operation while keeping under control all the bio-security and sanitary risks. It is designed for the vaccination of multi-age and multi-size eggs from 18.0 to 19.2 days old embryos.

**Key Features**

- Patented dual speed injection technology to maximise vaccination efficacy and minimise embryo injury
- Precise and constant injection site
- Disinfection after each injection
- Adjustable to all types of incubation trays
- Superior vaccine saving system
- Individual adaptation to any egg size and position
- User friendly software with touch screen

**Pathologies:** Marek, Gumboro, Newcastle Disease, Coccidiosis, Fowl Pox, Avian Influenza

**Ceva Vaccines:** Cevac Transmune, Vectormune ND, Vectormune LT
**High Precision Combined with Embryo Safety**
Unique perforation system and level of precision to preserve the egg shell and protect the embryo
Minimal impact on production parameters

**Dual Speed Injection System**
Fast speed perforation preventing cracks and resulting in a clear and tiny hole
A slow speed injection eliminating the risk of damaging the embryo preserves the egg shell quality and avoids unnecessary embryo injuries
System can adapt to any egg size

**Vaccine Saving**
Little vaccine is wasted in the priming process due to its unique vaccine system design
Candling and egg remover systems allow only live eggs left on the tray to be injected

**Disinfection System**
Automatic needle cleaning and disinfection program after every injection
Eggs are disinfected by a dual process to minimize cross contamination

**Integrated System**
EGGINJECT can be operated individually or operated to a whole line:
- Laser candling and robotic clear egg/ early dead embryo remover
- In Ovo injection machine
- Eggs transfer machine from incubation trays to hatcher baskets

<table>
<thead>
<tr>
<th>Specifikation</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td><strong>Target</strong></td>
<td>18.0-19.2 Embryonated Eggs</td>
</tr>
<tr>
<td><strong>Vaccination Technique</strong></td>
<td>In Ovo</td>
</tr>
<tr>
<td><strong>Overall Dimensions</strong></td>
<td>220 x 100 x 190 cm (LxWxH)</td>
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<tr>
<td><strong>Electrical Supply</strong></td>
<td>230V</td>
</tr>
<tr>
<td><strong>Working Pressure</strong></td>
<td>8 bars</td>
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<tr>
<td><strong>Dose</strong></td>
<td>0.05 ml to 0.1 ml</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td>35000 – 75000 eggs/ hour</td>
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</tbody>
</table>

As part of the Ceva Hatchery Immunisation Control Keys program (C.H.I.C.K.), our Ceva Hatchery Specialist will monitor the good operation of the equipment and the quality of vaccination during the routine visit.