

DOYLE MACHINERY Limited

Kitsmead Recycling Centre, Trumps Farm, Kitsmead Lane, Longcross, Chertsey, Surrey, KT16 0EF, UK
Tel; Office +44 3330 433322 Mobile; +44 7884 266582.
Email; info@doylemachinery.co.uk Web; www.doylemachinery.co.uk

BLEND PLANTS

DOSAGE

Automatic management:

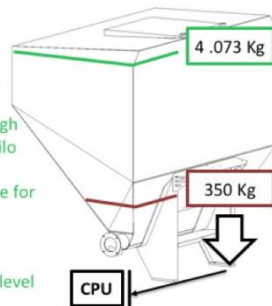
- Quantities placed in Kilos and litres in cubic metre
- Automatic management of dosage in accordance with the recipe and the production speed

Rec.Nº --:--:--		
1. Aggreg. A	:	950 Kg/Mc
2. Aggreg. B	:	900 Kg/Mc
3. Cement	:	250 Kg/Mc
4. Water	:	125 l/Mc
5. Production rate	:	30 Mc/h (0.0)
Corr. M3/h	START	Corr. water
0 Mc/h	STOP	0 l/Mc

Cement

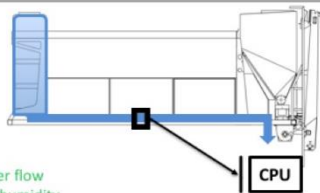
The silo is on a weight system:

- The certified weight systems weigh the cement quantity inside the silo with a precision $\leq \pm 0.02\%$
- Dosage loss-in-weight in real time for the exact kilos
- Dosage through the immersion endless screw into cement
- Automatic stop at the minimum level



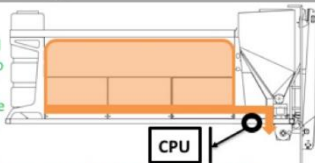
Water / Fluid admixtures

- Water is regulated with a pump and with an electronic flowmeter
- Litres of water are dosed and managed by the computer according to the recipe
- Automatic correction of water flow according to the admixtures humidity



Aggregates

- Kilos of aggregates are dosed by the computer according to the recipe
- The aggregate is dosed by the independent belt that feeds the mixer
- The aggregate is measured by sensors and load cells that record the weight and the presence on the belt

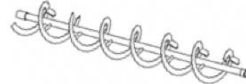


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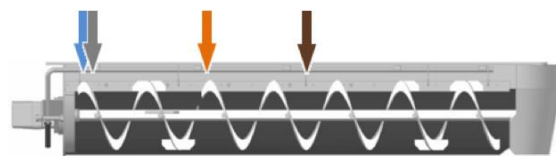
MIXER

RIBBON MIXER

- Ribbon mixer with paddles



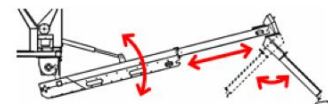
Mixing length (in mm)



Position

Static horizontal:

- Even and constant mixing
- Power required -50%
- Increased discharging area with telescopic belt



Maintenance

- Quick access to the mixer
- Few HARDOX coils welded, easily replaceable
- Whole mixing arm substitution with only 4 bolts