

JUICE AND CIDER PRODUCTION IN FRANCE

Replacing belt press and minimizing presence of operator!

Problem

Due to a strong seasonality of apple production this factory was struggling to dewater huge amount of sludge during summer months. Their former belt press allowed only 8 hours operation per day as the presence of operator was necessary. Moreover water consumption was huge and throughput wasn't sufficient for this plant. They needed new technology which would allow them to dewater 24h per day during summer months without presence of operator.

Dewatering Press ES-351



Solution

After successful pilot test they decided to replace old belt press with ES-351 Dewatering Press which now allows them to operate 24h per day unmanned and they can conveniently treat high amount of sludge during high season and operate 3-6 hours per day during winter months. Water consumption is extremely low and throughput between 60-100 kg-DS/h is sufficient for their production.

Conditions

UNIT	ES-351
Sludge Type:	WAS
Solids Concentration:	1.0-2.2 %
Flow Rate:	4-10 m ³ /h
DS Throughput:	60-100 kg/DS-h
Cake Solids Content:	18-22 %
Capture Rate:	95 %
Polymer Dosage:	8 g/kg-DS

Thickening zone



Sludge Cake

