

**Pressing Equipment for
Juice & Cider Production**

Equipping the Nation's Drink Producers



With us you'll notice the difference.

“ The equipment has allowed us to increase production by over 30%, whilst making immediate savings on labour costs. I did have concerns about the effect of using a belt press on the quality of the juice, but these fears were unfounded – the juice tastes great.”

Natasha Green, Heron Valley

For over 30 years it has been our pleasure to help cider makers and apple juice producers set up, produce their own unique brands, and develop their businesses.

UNIQUE

The importance of offering fruit processing equipment which optimises yields without compromising flavour and aroma has always been our highest priority, because it enables you to produce efficiently whilst retaining the unique characteristics of your crop for your range of premium ciders and juices.

PEACE OF MIND

Efficient production, high yields and an optimum raw juice quality are the key features of Voran's range of fruit processing equipment. Processing which optimises the freshness, flavour, aroma and structure of raw juice has always been a high priority in the design, development and manufacture of their presses and mills. These characteristics, coupled with robust construction and the low maintenance requirements of their equipment, help producers like you to operate from a stable platform and produce consistent products which consumers demand.

CAREFULLY CHOSEN

Equipment isn't the only thing we choose carefully. We also have to make an informed choice about working with the supplier. Our relationship with the supplier is critical. We spend time building relationships with our suppliers to ensure that we can give you a consistent level of high service.

We chose Voran Maschinen GmbH in Austria as partners because they are the market leaders in commercial fruit processing equipment and they share the same values as ours.

- Established in 1925, Voran are experts in their field
- Our 28 year relationship with Voran is testament to their commitment to high innovative design and high quality manufacturing for premium juice production
- Their vision has always been, and continues to be, to trade with integrity and to engender trust
- They demonstrate their commitment to quality assurance through using ISO 9001 standards
- They trade in a socially and environmentally responsible manner

Our faith in Voran equipment is demonstrated through the fact that there are many Voran presses over twenty years old which are still giving good service today.



voran[®]

VORAN – THE MARKET LEADER

Voran is the market leader in commercial fruit processing equipment and has eight decades of experience. Our close working relationship with Voran is now in its 28th year. Voran's vision is the same as ours - to trade with integrity and to engender trust - and these core values have remained fundamental to their success.

THE VORAN RANGE OFFERS:

Voran's manufacturing processes are optimised to produce high quality equipment through stringent quality assurance. Their commitment to product development, in response to the needs of producers and market trends, has been demonstrated year on year.

- Modular and process-based equipment
- Excellent juice yields (up to 80%*) for fresh & stored fruit
- Optimised raw juice quality (freshness, flavour, aroma & structure)
- Low juice turbidity
- Fast juice collection for minimal oxidation
- Extremely robust equipment - there are many Voran presses over 20 years old which are still giving good service today
- Food-grade contact parts

(*) Depending on model, fruit variety & fruit quality

YOUR PARTNER THROUGHOUT

The efficiency of your production process is integral to maximising your profits, so we take budget, space, desired throughput, labour and existing equipment all into account to enable us to offer you:

- The right Voran equipment for you at a competitive price
- Trade-in options for your used equipment
- Advice on the layout of the equipment & power/ water requirements
- For projects with higher levels of automation we survey your site, advise & provide CAD modelling
- Conversion of equipment to single phase, when required, by our engineers
- Experienced (Vigo) engineers install & commission on site and provide training to you and your staff where necessary
- A comprehensive 2 year warranty, backed up by our engineers
- Good stocks of spare parts

Our team of multi-skilled engineers ensure that the equipment works perfectly for you immediately from day one and are available for support and advice.

Watch some of the Voran range in use and see full production specifications at www.vigoltd.com



Single Bed (P1) Presses

TECHNICAL INFORMATION

- Bed mounted on a sliding trolley
- Press up to 150kg (50P1) or 300kg (100P1) of pulp per hour
- Tonnes pressure: 17.5 (50P1); 24.7 (100P1)
- Single phase or 3 phase power
- Use with a centrifugal mill e.g., the Voran RM 2.2 mill



Twin Bed (100P2) Press

TECHNICAL INFORMATION

- Twin press beds – build a cheese while another is pressing
- Press up to 600kg of pulp per hour
- Tonnes pressure: 24.7
- Single phase or 3 phase power
- Suitable for use a centrifugal mill e.g., the Voran RM 2.2 mill



Swivel Bed (PS) Presses

TECHNICAL INFORMATION

- Twin press beds on a rotating chassis
- Press up to 600kg (100PS) or 1,000kg (180PS) of pulp per hour
- Tonnes pressure: 24.7 (100PS); 50 (180PS)
- Single or 3 phase (100PS); 3 phase only (180PS) power
- For use with the WA/LC elevator mill, to save labour shovelling pulp

HYDRAULIC PRESSES

- ✓ Relatively inexpensive, so ideal for start-ups or small scale producers
- ✓ High juice yields – up to 75%* – fast juice run-off, through racks with multiple juice channels
- ✓ Suitable for pressing between 500kg & 6 tonnes of pulp per day
- ✓ Simple operation & easy to clean

(*) Depending on fruit variety & fruit quality

Before pressing, apples need to be milled to a fine pulp. The model of Voran press will determine which Voran mill (overleaf) is compatible.

Also known as ‘rack and cloth’ presses or ‘pack’ presses, Voran hydraulic presses are a simple and relatively inexpensive way of producing high yields of juice. Apple pulp is wrapped in polyester press cloths, sandwiched between slatted high quality acacia wood racks and stacked to form a ‘cheese’ (see back page), which is pressed by a hydraulic ram. Pressure is regulated automatically. All parts which come into contact with the fruit are stainless steel or wood. The juice runs off into a stainless steel collection tray.

180PS now available in stainless steel and features a press bed which can be lifted and lowered for optimal working height when discharging pulp from the wash mill and assembling cheeses.





EBP350 Press

TECHNICAL INFORMATION

- Presses up to 300 kg of pulp per hour
- Up to 70% juice yield*
- Very compact
- Belt speed controller via inverter
- Single or 3 phase power
- For use with SA wash mill



EBP500 Press

TECHNICAL INFORMATION

- Presses up to 700 kg of pulp per hour
- Up to 75% juice yield*
- Compact design
- Belt speed controller via inverter
- Optional rotary belt cleaning brush to reduce water consumption
- Single or 3 phase power
- For use with either SA or WA/LC wash mill



EBP650 Press

TECHNICAL INFORMATION

- Presses up to 1,500kg of pulp per hour
- Up to 75% juice yield*
- Belt speed controller via inverter
- Optional rotary belt cleaning brush to reduce water consumption
- 3 phase power
- For use with WA/LC wash mill

(*) Depending on fruit variety & fruit quality

BELT PRESSES

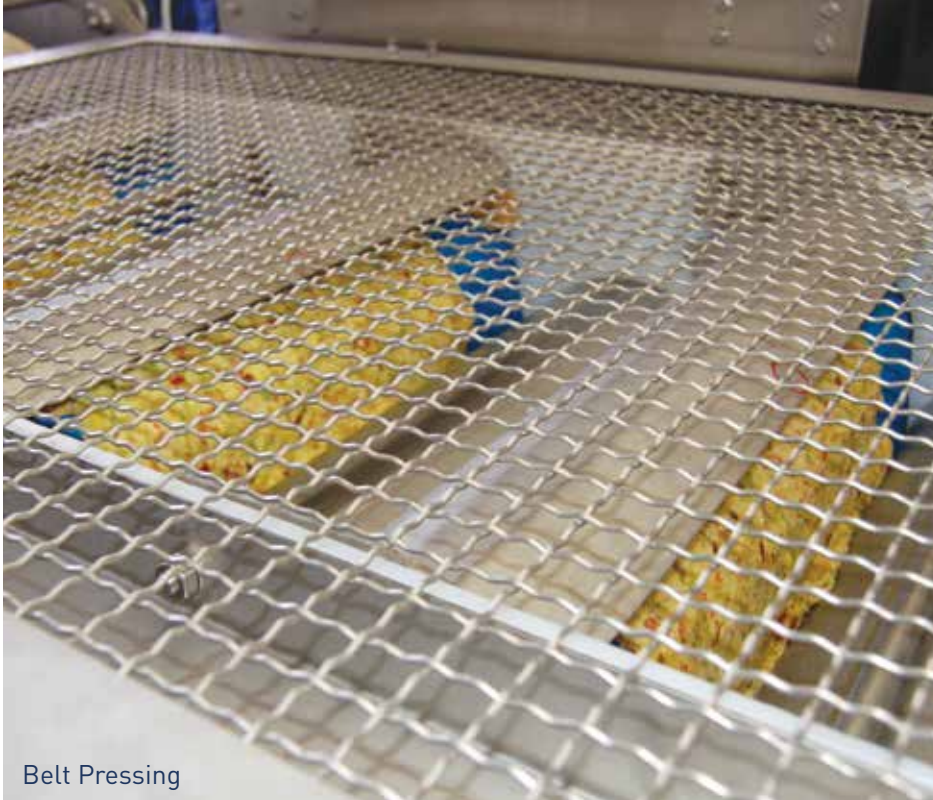
- ✓ High volumes can be pressed - 300 to 6,000kg of pulp per hour, depending on model
- ✓ Fully automatic, continuous operation when operated with a wash mill
- ✓ Minimal labour & supervision required, reducing production costs
- ✓ Up to 80% juice yields* as a result of pulp being pressed up to 6 times† during transit through the press
- ✓ Minimal air contact to reduce oxidation of juice
- ✓ Variable belt speed & adjustable belt pressure
- ✓ Simple operation & cleaning
- ✓ Flexibility to press small batches of fruit
- ✓ Automatic belt cleaner by pressure washer to optimise yield & efficiency

(*) Depending on model, fruit variety & fruit quality

(†) Depending on model

Before pressing, apples need to be milled to a fine pulp. The model of Voran press will determine which Voran wash mill (overleaf) is compatible.

Fruit pulp is fed continuously by the wash mill to the belt press. The pulp is applied in a uniform layer by the adjustable metering box onto a porous belt and pressed against a series of steel rollers, which extract the juice. At the end of the pressing sequence the pomace is removed from the belt by a scraper. Using a belt press gives a short pressing time and leads to minimal air contact, so the quality of the juice is usually very high as a result, with minimal solid content. All belt presses are stainless steel in construction and include pneumatic belt tensioners, automatic belt control and high pressure automatic belt cleaner. Level controls are available to automatically regulate the pumping of juice to holding tanks. Our engineers set-up and commission all belt presses and wash mills and train your staff to operate them.



CENTRIFUGAL MILL

Apples are fed manually into the hopper, pulverised by the mill's heavy rotor, and discharged through a perforated screen which resembles a grater. Screens can be easily swapped for versions with different perforation sizes to produce pulp of the optimum consistency for the type and quality of fruit to be pressed. The mill is of stainless steel construction. A pomace trough is available to fit under the mill, with a sloped end and smooth sides to make shovelling pomace easier.

Belt Pressing



EBP1200 Press

TECHNICAL INFORMATION

- Presses up to 3,000kg of pulp per hour
- Up to 75% juice yield*
- Belt speed controller via inverter
- Optional rotary belt cleaning brush to reduce water consumption
- 3 phase power
- Use with WAR65 wash mill



ZBP1100

TECHNICAL INFORMATION

- Presses up to 7,000 kg of pulp per hour
- Up to 80% juice yield*
- Twin belt system gives very high juice yields
- Belt speed controller via inverter
- Belt spread height regulation
- Rotary belt cleaning brush as standard – reduces water consumption
- 3 phase power
- Use with WAR65 wash mill



Centrifugal Mill – RM2.2

TECHNICAL INFORMATION

- Mills up to 1,000kg of apples per hour
- 3 phase power
- Suitable for use with all Voran hydraulic presses

(*) Depending on fruit variety & fruit quality

WASH MILLS

These machines wash the apples and deliver them milled directly to the press. Apples are fed manually from the sorting table (optional) into the washing bath of the mill and are elevated to the milling chamber, receiving a spray of water during elevation. The fruit is pulverised by a heavy rotor and the pulp is discharged through a perforated screen which resembles a grater. The washing and milling system is

switched on and off automatically by a pressure sensor, either on the pomace hopper of the mill or at the press inlet, in order to ensure optimal filling of the press.

All wash mills are of stainless steel construction. For different types of fruit, screens can be changed for versions with different sized perforations to optimise the consistency of the pulp for pressing, for maximum juice yields.

- Suitable for use with the all Voran belt presses for fully automatic, continuous operation
- The WA/LC can be used with the hydraulic swivel presses to free up time spent shovelling pomace from the mill to the press – this system delivers a fixed amount of pomace direct to the press bed
- All models includes a washing bath and elevator



SA with RM2.2

TECHNICAL INFORMATION

- Mills up to 1,000kg apples per hour
- Includes sorting table
- Mounted on wheels for ease of movement
- Single or 3 phase power
- For use with EBP350 or EBP500 belt presses



WA/LC with RM40

TECHNICAL INFORMATION

- Mills up to 2,000 kg apples per hour
- Single or 3 phase power
- For use with the EBP500 or EBP650 belt presses, or hydraulic swivel bed presses



WAR65 with RM5.5

TECHNICAL INFORMATION

- Mills up to 6,000 kg apples per hour
- 3 phase power only
- For use with EBP1200 belt press

The model of Voran press will determine which mill is compatible.

Further automation is possible with the use of the Voran Bin Tipper.
Please call us on **01404 892100**.



Rack & cloth pressing

We look forward to hearing from you about your specific requirements.

Please call us on 01404 892100 and ask us about our full range of cider making and juice production equipment.

If you prefer to talk face-to-face we would be pleased to visit you or you are welcome to visit us. To arrange a visit please call 01404 892100.

**Email us at sales@vigoltd.com
Or visit us www.vigoltd.com
Follow us on Twitter [@VigoLtd](https://twitter.com/VigoLtd)**

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