

## The DT Dijkstra stand: plenty of innovation

*DT Dijkstra will be launching many new developments during the upcoming Interpom. We will be showcasing the new, modern appearance of our machines as well as a novelty: our new dry cleaner featuring unique cleaning technology. In addition, several (pre) grading machines have been restyled.*



DT Dijkstra started up a programme last year involving the modernisation and extension of our full machine range. We are renewing construction and technology without any compromise to our reliability. An improved appearance goes hand in hand with machine improvement and at the Interpom we will be delighted to present our new look. The machines feature stylish exterior designs and we have added anthracite grey to our house colours blue and white.

### Patented dry cleaner

The Wave MultiCleaner is DT Dijkstra's brand new dry cleaner. The machine is fitted with a patented roller bed in which rollers will follow a predetermined wave line. This ensures a layered product build-up, resulting in a controllable and longer processing time than with a flat roller bed. In addition, the layered build-up causes mutual friction between the tubers, ensuring more intensive cleaning. The speed of both the rollers and the degree of undulation is adjustable and, moreover, any type of roller can be fitted. The machine removes far more soil than conventional de-soilers, and in point of fact this is a washer without water.

The Wave MultiCleaner fits in with a concept for the future whereby a cleaning

line is built up of modular components for the removal of soil, haulm, stones and clods, all within one single compact configuration. Dust bonding is an option as well. The Wave MultiCleaner can also be used for crops such as carrots, red beet, chicory roots, etc.

### New generation of ET pre-graders

Since DT Dijkstra believes in the concept of (pre) grading 3 sizes as a maximum, the ET has been thoroughly overhauled and fitted with the latest technology. The machine has become simpler, lighter and more accessible thanks to the use of laser-cut panelling parts, making the machine easier to clean as well. The machine has become more flexible due to the application of (hydraulic) technology for unlocking the sieves. Just one person can now change sieves within a few minutes. The ET pre-graders are ideally suited for use behind receiving hoppers in (seedling) businesses that want to separate undersize and oversize product upon storing and that settle for three sieve sizes during the 'main grading' process. Processors of potatoes for French fries and crisps also have good use for the ET, a true 'workhorse' with a 240cm width that fits straight behind the receiving hoppers.



### Make sure you attend Interpom!

The year of our 90th anniversary is also the year of innovation for DT Dijkstra. Next to the new dry cleaner and the new generation of pre-graders (see adjacent box) we are proud to inform you about many more innovations. A number of these novelties are explained later in this newsletter. And we would prefer to explain all our other new developments personally during the Interpom, such as our Soft Fill bunker filling technology. Make sure you don't miss out on our new stand in Hall 6. Besides new machines, you will also meet new people. So, make sure you attend Interpom!

# Flexible and efficient grading



*Flevostar Potato has developed, together with DT Dijkstra, a grading installation that corresponds ideally with the philosophy of the business: meeting customers' wishes in a flexible way while maintaining product quality. And the staff are enthusiastic too.*

"There was a good chemistry right from the start," says William Verhage, managing director of Flevostar Potato in Dronten. When he started to contact potential suppliers of a new grading installation a year ago, he had a good feeling about DT Dijkstra straight away. "I suppose that is to do with the fact that we both think in a broader context without losing sight of the important details. DT Dijkstra is thinking along with us and they come up with their own ideas. That is the reason why we have chosen them." As far as he is concerned, DT Dijkstra's proactive attitude is not limited to the Dutch activities of Flevostar Potato. "They also have the expertise and experience to think actively about the business processes of our international partners," Verhage comments.

## A wind of change

A wind of change has been blowing through the organisation since Verhage

joined Flevostar Potato as managing director and shareholder. In addition to the existing divisions for washing and packaging potatoes, two new business divisions are rapidly being added. The Production and Trade division is building a network of associated growers and is looking, together with partners, for new sales channels. "We want to work towards a situation whereby 80% of the potatoes stem from our own production," William says. And since Verhage strives for optimal chain control, a division for seedling production is being set up as well. To that effect, Flevostar Potato has entered into co-operation with Caithness Potato Ltd Scotland. All divisions of Flevostar Potato are active both at the domestic market and abroad.

## Working more comfortably

The new grading installation will be contributing towards Flevostar Potato's business philosophy in its own way. "We

needed more capacity, but especially more flexibility," says Verhage. The former grader could only process two sizes at the same time; sometimes a batch had to be processed twice. "The new grader can handle five sizes at the same time, which means a tremendous saving of time. A job that might take a whole day in the past, but is now done in 2 hours time."

The flexibility of the installation is most obvious at the moment when the tubers leave the sieve decks. Thanks to an ingenious system of transverse conveyors, product of any size may be directed to the inspection room (possibly merged with another product size) or to the box filling installation, which can handle three sizes at a time. And after the inspection table, further intelligent logistic choices are possible as well, such as the option of brushing or directing the product to the box filler. Obviously, most of the graded product is moved on to the packaging installation further down the hall. The undersize products follow their own route and, if so required, may be guided through a clod separator.

During a factory tour it becomes apparent that Verhage is not the only enthusiastic party; the employees are very cheerful, too. "Operating this installation is an enjoyable job. Especially changing the sieves and the easy selection of different product routes is sheer pleasure as compared to the old situation."



# „This is the carrot washer that we always wanted”

***Wout Vos of Polderfresh is very satisfied with the carrot washer that DT Dijkstra delivered to the company late June. "Following our experiences with another brand of machine we cherished some special requests. DT Dijkstra has built a machine just as we wanted it to be. This is an outstanding washer."***

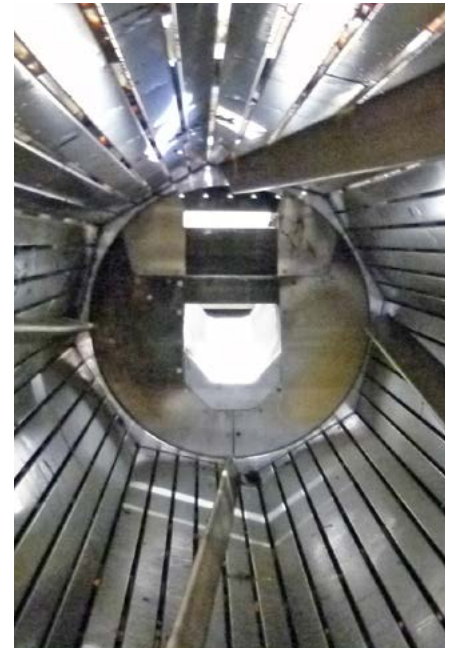
Polderfresh in Espel, located right in the middle of one of the Netherlands' major carrot growing areas, is a major player in the processing of this vegetable. The company processes 20,000 tons of carrots per year. In addition to washing and packaging, Polderfresh also supplies raw products (carrot chunks) to other processors. Polderfresh is the largest processor of biologically grown carrots in the Netherlands.

Polderfresh operates separate processing lines for traditional and biologically grown carrots. Last year, the company decided to replace their two carrot washers after 40 years of service. The old washers had a round lattice drum. The first new carrot washer was delivered in November and this machine is equipped with an octagonal drum with laser-cut grooves. It soon became clear that little stones sometimes got stuck in the grooves, causing damage to the carrots. "We therefore wanted to equip the second

machine with a lattice drum," says Wout Vos, head of the Technical Department and manager at Polderfresh. Furthermore, Vos wanted an octagonal lattice drum, instead of the round one they used to have. Such drums are standard equipment for potato washers, but not for carrots. "An octagonal drum ensures more effective cleaning," Wout states. "Rolling of the carrots is more intensive so that they clean one another. In addition, a lattice drum removes more haulm, which significantly reduces contamination along the line and in the polisher. Furthermore, it is more product-friendly, since loss of carrots is reduced." However, the supplier of the first machine was not willing to co-operate in achieving these modifications.

## **CVT technology**

Vos did not let it go at that and started his own investigation. During a talk with DT Dijkstra appeared that they were prepared and able to build this specific drum washer that fulfilled all of Vos' wishes.



The machine was fitted with the desired octagonal lattice drum; the lattice work, however, was not made from hardwood but from a stainless steel profile with rounded-off edges. Since the 6m long lattice drum is relatively heavy, a stronger drive was mounted. Belts reinforced with stainless steel were used for that drive, similar to the ones that are applied in automatic CVT systems. The carrot washer is fitted with a food-grade PVC mesh conveyor with catchers for product discharge. Such a conveyor requires less maintenance than the common steel rod conveyors.

## **Satisfied**

The machine was commissioned in June and following four months of experience, Vos is enthusiastic. "This is the machine that I wanted," he says with a broad smile. "The DTD washer processes biologically grown carrots, which are usually more difficult to clean because the soil attaches to the product more persistently. Nonetheless, the carrots come out nice and clean." In terms of capacity, Wout has no reason at all to grumble: 15 tons of carrots per hour. The best compliment, however, came from an unexpected quarter. "The other day, a representative of an other brand was here to visit," Wout relates, "and he also was enthusiastic about the design and washing result."



# More news from DT Dijkstra

## Renewed website [www.dtdijkstra.nl](http://www.dtdijkstra.nl)

Our renewed website is now online. Featuring our new corporate style, it provides information about the latest business and product developments, the comprehensive machine range, newsletters, special projects as well as our service organisation.



Personal contact and a direct customer relationship are important to us. Therefore, our site also includes the contact details (plus photographs) of our staff to ensure optimal identifiability and accessibility. Extensive visual material supports you in finding the required information.

## Interpom Primeurs show, Belgium

The Interpom Primeurs show will take place from November 27 through 29 in Kortrijk, Belgium. Interpom is a prestigious international fair that consistently presents many innovations. DT Dijkstra, too, will be launching many new developments at the Interpom. We will be showcasing the patented Wave MultiCleaner and the restyled RT2/5 grading machine. The renewed ET pre-grader will be presented as well and we will also show the application of digital bearing monitoring. Furthermore, you can view the new design of our machine range. All in all: reason enough to visit our stand 615 in Hall 6.

## DT Dijkstra Service and Maintenance

Entrust our qualified DT Dijkstra service team with servicing and maintenance of your machines. By virtue of their specialist expertise and experience, they ensure optimal maintenance, repair and adjustment of your equipment. Are you interested in inspection and/or maintenance contracts? Ask our Service department to inform you about the conditions.



## Digital bearing monitoring

Machine standstill due to broken-down or worn out parts is undesirable. Downtime is at the expense of your productivity and may lead to high and unnecessary costs. New techniques for vibration analysis enable permanent monitoring of machines and turning parts. If a deviating vibration is established, an alert is generated immediately, so that imminent problems can be detected at an early stage. Thereafter, a repair can be carried out during a scheduled standstill. If you opt for a more extensive machine version featuring remote monitoring, our specialists can support your monitoring from a distance.

Our sales reps will be happy to inform you about the possibilities, also for existing installations.

## DT Dijkstra in Agrofoodcluster

DT Dijkstra has joined the Agrofood Cluster.

Agrofood Cluster is a group of businesses that are associated with open field cultures. The three pillars under the Agrofood Cluster are:

- spreading expertise
- driving innovation
- stimulating open field business



In the time ahead, we will frequently contribute to the activities of the Agrofood Cluster. For more information we refer you to the website: [www.agrofoodcluster.com](http://www.agrofoodcluster.com)

## Vacancies

For the coming years, DT Dijkstra is fully committed to ongoing development of the existing range as well as developing new products and machines. To achieve these goals, we are looking for new colleagues in various disciplines.

Would you like to work for an ambitious, progressive and innovative

machine builder operating in global markets, and do you have an affinity with our sector and clientele? Make sure you check our website for more information about the following positions:

- Engineering manager**
- Project manager**
- Project engineer**

