VTA

Photo: IPCO Germany GmbH / www.ipco.com

TOLL PASTILLATION

ROTOFORM PASTILLATOR

CONTRACT MANUFACTURING

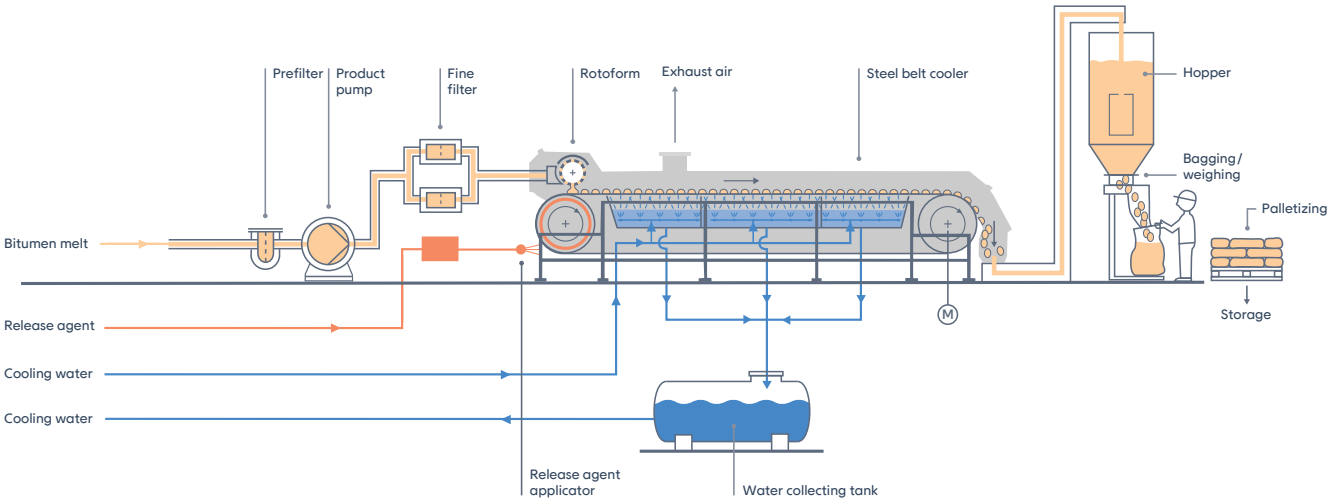
WIPED FILM AND
SHORT PATH DISTILLATION

Photo: IPCO Germany GmbH / www.ipco.com

Pastillation at VTA

VTA, located in Niederwinkling, Germany, is a company of the STREICHER Group, a group of companies with 4,000 employees. In addition to the design and manufacturing of components and turnkey plants for falling film, thin film and short path distillation, VTA operates laboratory, pilot and multipurpose toll distillation plants as well as pastillation plants.

Principle Rotoform pastillation plant (by IPCO)



The product melt is continuously distributed as homogenous pastilles on a cooled steel belt by the Rotoform system. Once solidified, this uniformly free flowing granulate can be filled in suitable containments.

Technical data of VTA pastillation plant	
Campaign sizes	2 tons to several hundred tons
Melting points	max. 180 °C
Viscosities	up to 10,000 mPas (higher viscosities on request)
Pastillation	Rotoform pastillation
Sizes of pastilles	4 - 8 mm (smaller pastilles on request)
Container size (Feed)	ISO tank containers, IBCs and drums
Container size (Pastilles)	Big-Bags, drums, bag filling upon request
Storage capacities	depending on substance class and type of containers, acc. WHG
Operating mode	continously, shift operation
Explosion protection	ACC. to ATEX 2014/34/EU

Photo: IPCO Germany GmbH / www.ipco.com

Confidentiality

VTA and the companies of the STREICHER Group have no interest in production or marketing of chemical products. Information received from our customers is treated as strictly confidential. On request, cleaning or production information, which has been developed by VTA independently, may be handled confidentially.

Raw material delivery and filling/packing of the final product

Depending on the size of the campaign, the products for pastillation can be delivered in drums, IBC or heated ISO Tank containers. VTA has its own steam heated melting chambers for drums and IBCs which can melt products up to 180°C.
According to customer requirements filling of the final product and the side fractions can be done in Big-Bags and drums.

Example applications for pastillation

- Waxes (e.g. PE wax, PP wax, paraffin wax,…)
- Oleochemicals
- Fatty acids
- Fatty alcohols
- Polyethylenglycols (PEG)
- Resins (e.g. Acrylic, Epoxy, Phenolic,…)
- Fat chemicals
- Additives
- Hot melts
- Polymers
- Fine chemicals
- Surfactants
- Stabilizers

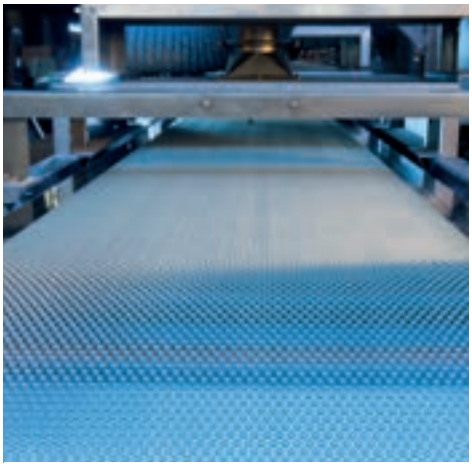


Photo: IPCO Germany GmbH / www.ipco.com

VTA applies pastillation belts from IPCO, former Sandvik Process Systems.

Toll distillation - efficient outsourcing with VTA

VTA operates various wiped film and short path distillation plants for toll distillation of different products.

General features of the toll distillation plants

Toll distillations are performed on multi purpose plants.
Variable connection of wiped film evaporators, short path evaporators and equipment for rectification.
High-melting or higher viscosity products can be distilled easily.
The system is designed according to the European explosion protection directive.

Analysis and quality assurance

In our analytical department, the quality demands of our customers are monitored by means of wet chemical and instrumental analytical methods. Incoming and outgoing products will be analysed.
The product quality will be documented by certificates of analysis.
Product samples will be provided to the customer.

Technical data of the toll distillation plants	
Campaign sizes	1 kg up to 1,000 t, larger campaigns on request
Melting points	max. 190 °C
Boiling points	above 500 °C at atmospheric pressure
Operating temperatures	max. 350 °C
Operating pressures	down to 0.001 mbar
Viscosities	max. 150,000 mPas at operating temperature
Rectification	approx. 10 theoretical plates
Pastillation	**Rotoform pastillation**
Container size	max. ISO tank containers and tank wagons
Storage capacities	depending on substance class and type of containers, acc. to WHG
Operating mode	continuously, shift operation
Explosion protection	acc. to ATEX 94/9/EG
Execution of the equipment	acc. to BImSchG

VTA Verfahrenstechnische Anlagen GmbH & Co. KG · Bernrieder Str. 10 · 94559 Niederwinkling · Germany
T +49 9962 9598-0 · **E** info@vta-process.de · **www** vta-process.de