



**WATER &  
WASTE WATER  
TREATMENT  
SYSTEMS**

DWT-Engineering is a Finnish high-tech company specialising in designing, manufacturing and marketing efficient water and waste treatment systems for global environmental protection projects in municipal and industrial applications. DWT manufactures a wide range of standard and tailor made equipment. Wide experience in engineering, the use of the best materials and components, comprehensive network of representatives and good after sales service ensures the customers always the best and most economical solution.

## B-T Heavy Duty Belt Thickener



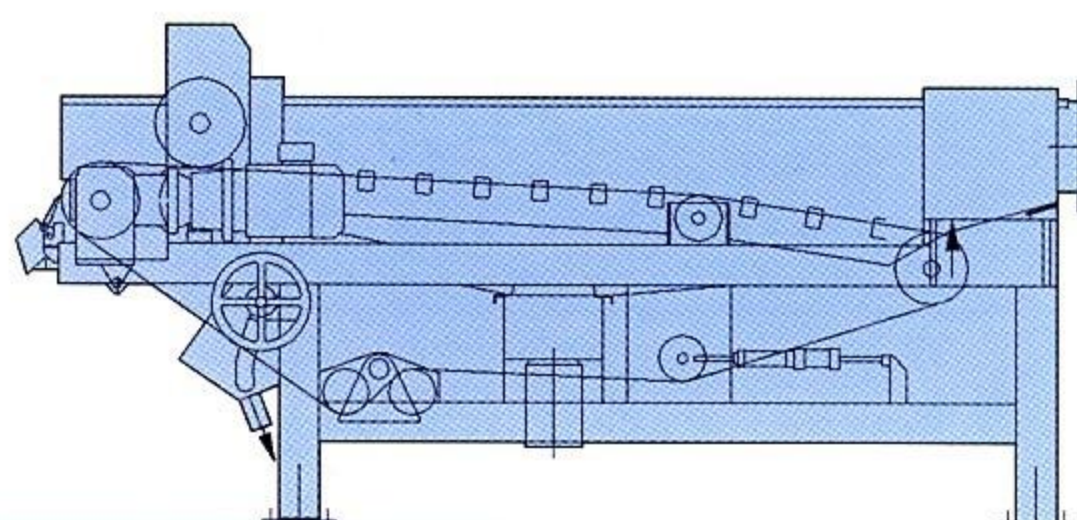
The Dewa B-T Belt Thickener is a fully automatic new generation sludge thickener which enables to achieve extremely high DS concentration with high capacity. It can be installed as a stand alone sludge thickening unit instead of the conventional gravity thickening tanks or as a predewatering unit in various types of sludge dewatering processes. A special easy mounted additional pressure roller mechanism increases the DS content even more (e.g. in P & P industry the Dewa B-T has reached 15% DS content with mixed primary and biological sludge at 1-3% feed concentration). The unique construction of the B-T ensures reliable and continuous operation in all kinds of demanding sludge thickening applications. Best possible materials and components, pneumatic belt tensioning and steering, efficient belt washing system, durable plastic housed bearings makes the B-T robust, reliable and long lasting. An ideal investment when high throughput is required.

- **New generation heavy duty belt thickener**
- **Extremely high throughput and DS concentration**
- **Minimum 98% recovery**
- **Flexible and easy to use in wide range of demanding applications**
- **High quality corrosion-free materials and components**
- **6 standard models**
- **Can be tailored for special applications**
- **Can be integrated to the existing system**

### B-T CAPACITY CHART

Model	B-T 1025	B-T 1525	B-T 2025	B-T 2525	B-T 2035	B-T 2535
Effective belt width mm	1000	1500	2000	2500	2000	2500
Effective filtration area m <sup>2</sup>	2,5	3,75	5,0	6,25	7,0	8,75
Capacity m <sup>3</sup> /h	30	20-50	40-80	50-100	60-120	80-150
Capacity kg DS/h	600	400-1200	500-2000	700-2500	700-2800	800-3500

See the dimension and application charts overleaf



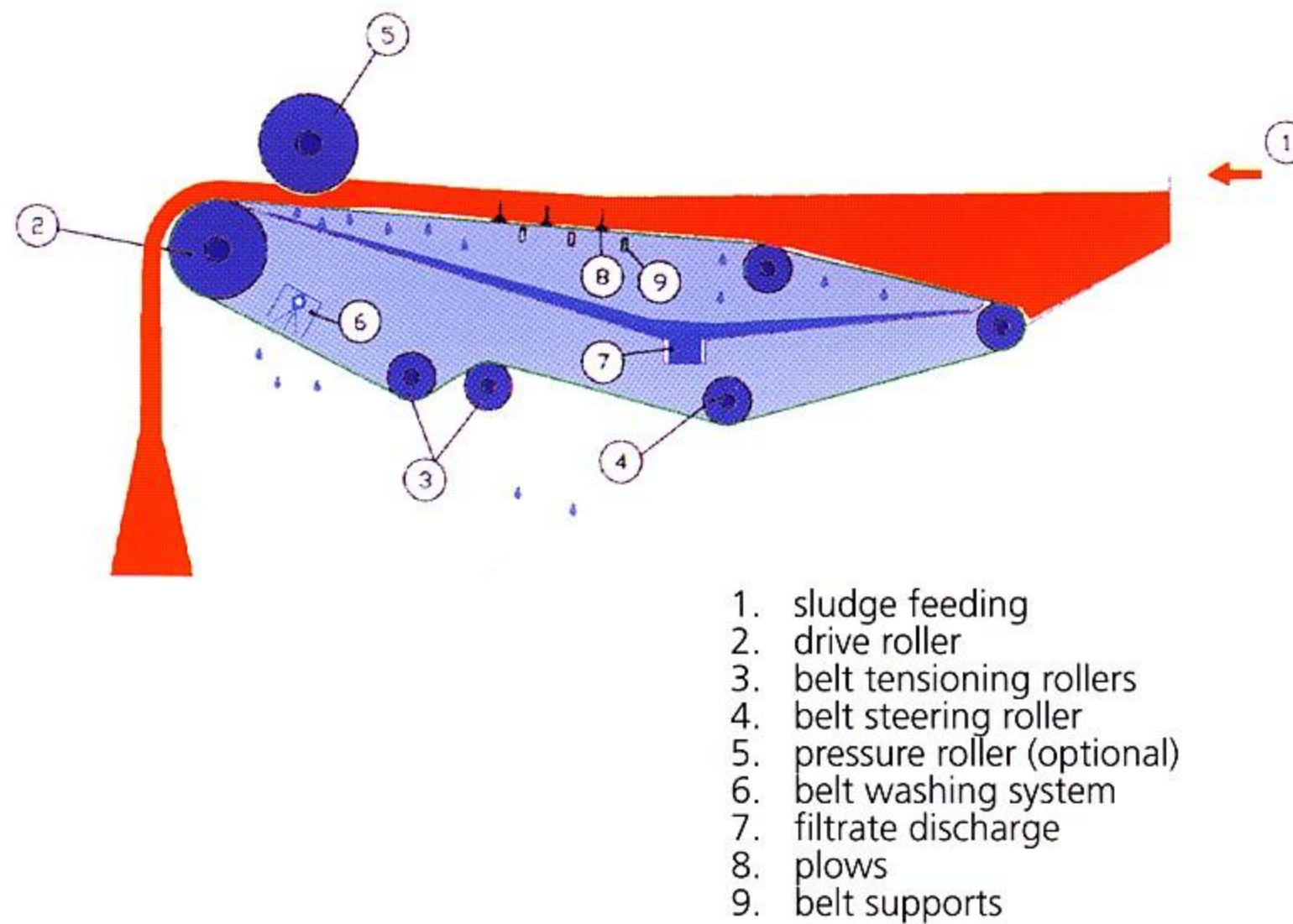
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# B-T Belt Thickener

**B-T SLUDGE FLOW DIAGRAM**



**B-T DIMENSION CHART**

Models	B-T 1025	B-T 1525	B-T 2025	B-T 2035	B-T 2525	B-T 2535
Length mm	3230	3230	3230	4230	3230	4230
Width mm	2000	2500	3000	3000	3500	3500
Height mm	1400	1400	1400	1400	1400	1400
Weight kg	700	1000	1300	1600	1600	2000
Power kW	1,5	1,5	1,5	2,2	2,2	2,2

**TYPICAL APPLICATIONS:**

Municipal water and waste water treatment plants  
Pulp & Paper Industry  
Food industry  
Mining & Metal Industry  
Chemical industry  
Tanneries

*DWT-Engineering reserves the rights to alter these specifications.*

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