

## ADVANTAGES

### Continuous high feed flow dewatering with high cake solids concentration:

- Efficient and differentiated design with adjustable operating parameters for varying feed conditions
- Continuous and adjustable pneumatic cake pressure device

### No operator attention required:

- Fully automated operation
- Low screw speed (adjustable <1 rpm)
- Highly efficient and consistent flocculation feed system
- Filter screen automatically kept clean while machine is in operation

### Small footprint:

- Low investment cost

### Low operating costs when compared with Decanter centrifuges and Beltpress:

- Robust design and low speed ensures long life with minimum maintenance
- Low dosage polymer feed system
- Low power consumption
- Lower wash water requirement
- Filter screens segmented for easy maintenance
- Flexible screen exchange to accommodate different feed solids
- All wet parts made of stainless steel

### Health and safety:

- Low operating noise (<60 dB)
- No vibration
- Totally enclosed for efficient odour removal
- No messy water flow on the floor



*Ever Onward, Together*

# THE SOLID/LIQUID SEPERATION SPECIALIST!



ISHIGAKI Europe GmbH  
Flughafenstraße 118  
90411 Nürnberg  
Germany

Phone +49 (0) 911 3749 525  
Fax +49 (0) 911 3749 527  
E-mail [info@ishigaki.de](mailto:info@ishigaki.de)

[www.ishigaki.de](http://www.ishigaki.de)

[www.ishigaki.de](http://www.ishigaki.de)



# SCREW PRESS ISGK-A

# SCREW PRESS ISGK-A

ISHIGAKI has been an innovator in pressure filtration since 1958. The ISHIGAKI ISGK-A Screw Press is our latest and most improved design — the result of our experience successfully operating more than 600 units in industrial and municipal facilities across the globe.

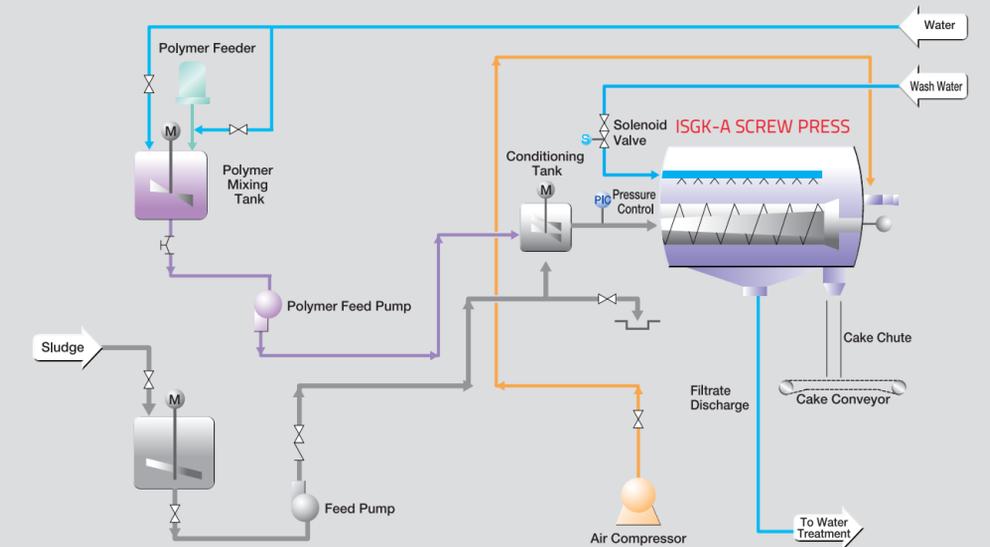
The recently developed and patented mechanical features generate higher dewatering efficiency with comparable feed flow/volume and reduce labor and other costs. In municipal sludge, a 10% cake solids increase can be achieved when compared with other screw press performance.

## ISGK-A SCREW PRESS SIZE CHART

	0206	0306	0406	0506	0606	0706	0806	0906	1006	1106	1206
Screw Rotation (rpm)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Empty Weight (T)	0,7	1,2	2,1	3,1	3,5	4,0	5,1	6,2	7,8	9,5	11,7
Dimensions (mm)	Length	2560	3255	3980	4720	5630	6020	6745	7380	8115	8685
	Width	1000	1100	1200	1300	1400	1450	1550	1750	1850	2000
	Height	1025	1125	1285	1425	1530	1595	1695	1845	1955	2100
Screen Wash Water (L/min)	130	130	130	130	185	185	185	185	185	235	235
Screen Wash Water (bar)	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5	3 - 5
Screw Drive Motor (kW)	0,4	0,75	1,1	1,5	2,2	2,2	4,0	4,0	5,5	5,5	5,5

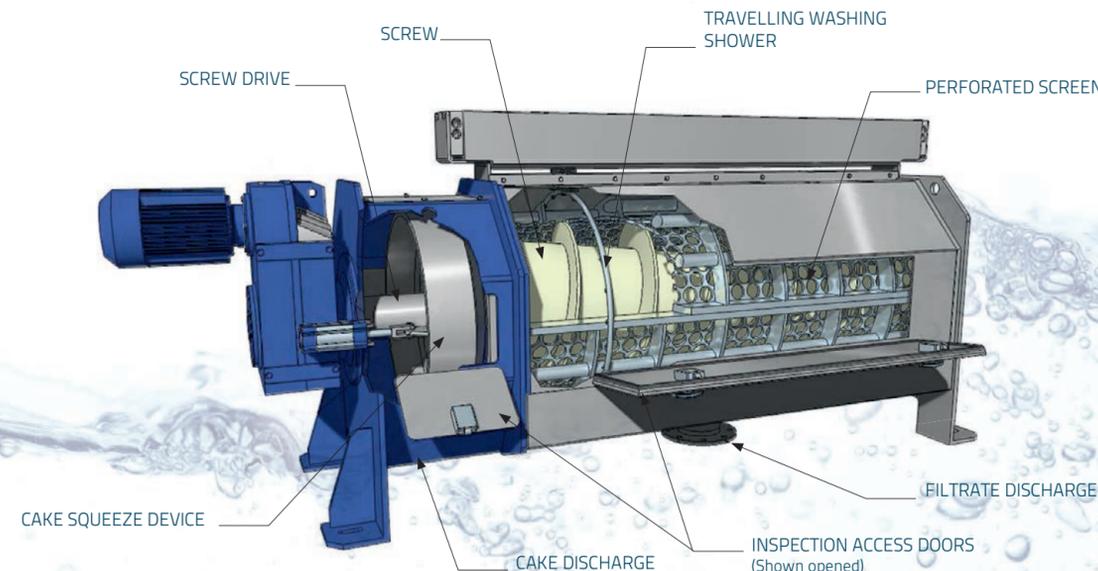
DO NOT USE FOR CONSTRUCTION. Figures are nominal and subject to change.

## FLOW SHEET



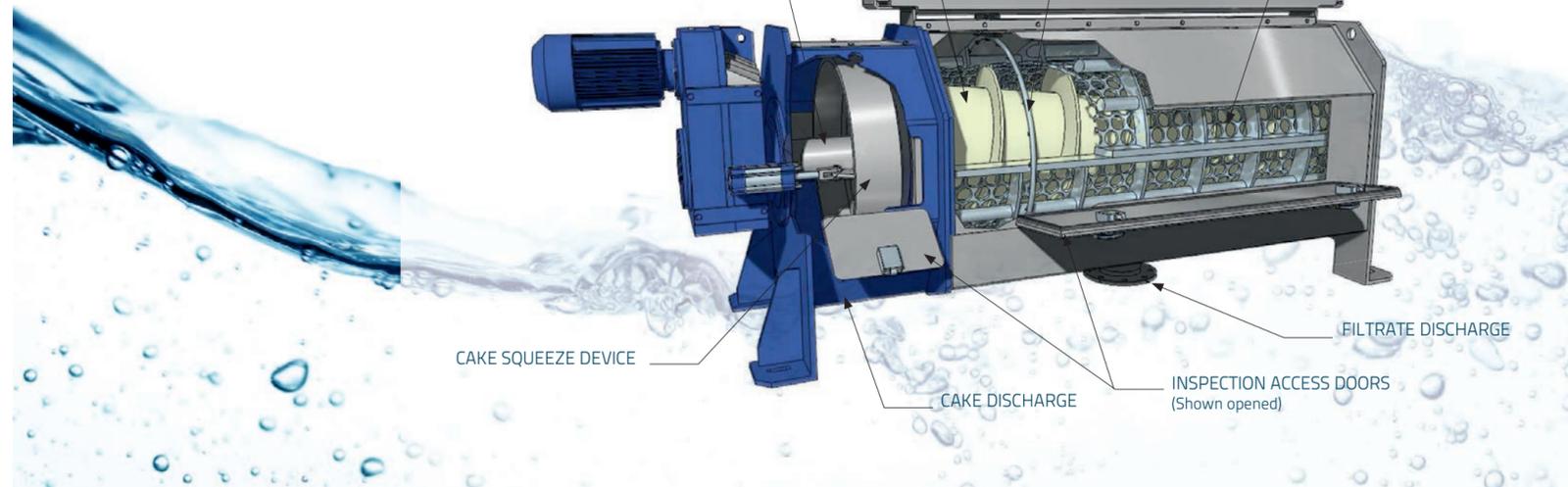
## MECHANICAL FEATURES

- Fully Automatic Dewatering System
- Robust & Simple Operation
- Easy Cleaning



## STANDARD APPLICATIONS

- Municipal sludge: aerobic, anaerobic and mixed
- Food & beverage waste and process: DAF floatings, fruits and vegetables processing, meat and fish processing
- Energy: digester, ethanol and manure
- Pulp & paper
- Chemicals



## TEST UNIT ISHIGAKI – SCREW PRESS



Available in Germany/Europe for rental. Contact us for details:

Phone +49 (0) 911 3749 525  
 Fax +49 (0) 911 3749 527  
 E-mail info@ishigaki.de