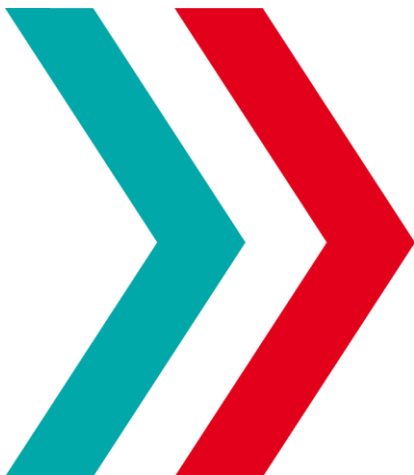


# TRAINING CATALOG

Kubota Brabender Technologie GmbH



## Description

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Here you can find an overview of all training courses offered by Kubota Brabender Technologie.

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## 1. General Information

In this Catalog you will find an overview of our training program and information about the training contents.

The training contents cover all areas related to the current portfolio of Kubota Brabender Technologie (KBT) and its functionality. Our training courses include customer-specific training courses as well as standard training courses.

## 2. Training locations & Training dates

The training sessions take place at our headquarters in Duisburg or can also be conducted on-site at your location for individual training sessions.

We would be happy to provide you with an offer.

Please note that this offer, as well as the classification of training sessions into the corresponding course numbers below, applies exclusively to the training planned at our headquarters and may differ from the training offers of other branches. Feel free to contact us.

## 3. Training content

Our trainings refer to three different intensity levels. These levels describe the competence after the received training.

(1) Beginner:	Basic knowledge
(2) Experienced/Advanced:	Deep knowledge of the subject and the practical application
(3) Experts:	Significant knowledge of the subject and practical application possible

## Detailed training overview

### Training module 1: Basics of Kubota Brabender Technologie

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
1.1	Basics Kubota Brabender Technologie	KBT general Who are we?	History & Company Figures KBT Basic feeding (Why Gravimetric?) Industries General introduction to Bulk Solids & Raw Materials Equipment Portfolio (Overview) Overview Feeding & Discharge Equipment from KBT Portfolio	1,2,3	30

## Training module 2: Feeding (Basics)

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
2.1	Feeding	General	What does feeding mean?	1	30
2.2	Feeding	Volumetric and gravimetric	What is the difference between volumetric and gravimetric feeding systems?	1,2,3	25
2.3	Feeding	Bulk materials	Introduction to the topic bulk solids / raw materials	1	15
2.31	Feeding	Bulk materials	Deepening topic of bulk solids/ raw materials Characterization of raw materials e.g. flow properties	2	15
2.4	Feeding	Screw	Screw guide Which screws are available at KBT? Selection and classification Reading a screw table (max. bulk density)	2,3	45

## Training module 3: Feeding (Technology, Assembly and Equipment)

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
3.1	Feeding technology	Technology and Assembly	The different KBT feeders (for granules, powder, fibres and liquids) The operation principle	1	60
3.11	Feeding technology	Technology and Assembly	Explanation of terminology (abbreviations, codes, alarm codes)	1	15
3.2	Feeding technology	Load cells & Weighing Frames	Functionality of a load cell (MS and MD)	1	15
3.21	Feeding technology	Load cells & Weighing Frames	Functionality of a load cell Details (technical structure and use)	2,3	30
3.22	Feeding technology	Load cells & Weighing Frames	Load cells: Digital and analogue load cells Technical details	3	30
3.23	Feeding technology	Load cells & Weighing Frames	Weighing frame: difference between Tara compensated and full load weighing frame and the functionalities	3	30
3.31	Feeding technology	Drive Control FC	FC frequency converter: Application, hardware explanation, component description, technical details	3	30
3.32	Feeding technology	Drive Control SD	Smart drive: Application, hardware explanation, component description, technical details	3	30
3.33	Feeding technology	Drive Control VC	VC: Application, hardware explanation, component description, technical details	3	30

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
3.41	Feeding technology	FlexWall®Plus	Design of the Feeder Functionality & Specifics Use	2	30
3.42	Feeding technology	FlexWall®Plus	Design of the Feeder Functionality Special features Application Types of unit Screw change & cleaning Possible options (maintenance switch, quick closing valve, filter bag, turntable, pressure compensation)	3	60
3.51	Feeding technology	DSR & DDSR	Design of the Feeder Functionality & Specifics Use	2	60
3.61	Feeding technology	Weight-Belt Feeder	Design of the Feeder Functionality & Specifics	1	30
3.71	Feeding technology	DS Series	Structure of the feeding unit Operation & screw change Difference DS28, DS60 and DS80 Use	2	15
3.81	Feeding technology	DVT/DVR	Design of the Feeder Functionality & Specifics, different Feeder Types, Screw change	2	30
3.91	Feeding technology	FDDW	Design of the Feeder Functionality & Specifics, different Feeder Types, Screw change	2,3	30
3.10	Feeding technology	FX	Design of the Feeder Functionality & Specifics	1	30

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
3.11	Feeding technology	Micro Batch	Design of the Feeder Functionality & Specifics	1	15
3.12	Feeding technology	Batch Master	Design of the Feeder Functionality & Specifics	1	15
3.13	Feeding technology	Coriolis	Design of the Feeder Functionality & Specifics	1	15
3.14	Feeding technology	SiloTray	Design of the Feeder Functionality & Specifics	1	15
3.15	Feeding technology	MT	Design of the Feeder Functionality & Specifics	1	15
3.16	Feeding technology	RT	Design of the Feeder Functionality & Specifics	1	15
3.17	Feeding technology	JetFilter	Design of the Feeder Functionality & Specifics	1	20
3.18	Feeding technology	NX	Design of the Feeder Functionality & Specifics, different Feeder Types, Screw change	1	30

#### Training module 4: Discharge (basics, technology and equipment)

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
4.1	Discharge	Discharge	What is discharge? History & Origin , Which discharging devices and discharging units are available at KBTDE (Bag Dumper, Bag Master, Silo Tray, BAV)	1	30

## Training module 5: Feeding methods and processes

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
5.1	Feeding methods and processes	Continuous-Batch	Explanation Continuous and Discontinuous feeding	3	60

## Training Module 6: Control

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
6.1	Control	General topic: Operating units, controllers, interfaces	Introduction to the operating units at KBT The different controls (Congrav CM-E, Congrav CB-E, CB-S 2.0) The different user interfaces (OP1, OP6, OP16)	1	60
6.2	Control	Congrav® CM-E	General Structure (components & interior view) Integration, Interfaces	2	30
6.3	Control	Congrav® CB-E	General Structure (components & interior view) Integration, Interfaces	2	30
6.4	Control	Congrav® CB-S	General Structure (components & interior view) Integration, Interfaces	2	15
6.5	Control	Congrav® OP-S	General detailed overview	3	60
6.621	Control	Congrav® OP6 (HGC)	Hardware	3	30

<b>Course no.</b>	<b>Title</b>	<b>Topic</b>	<b>Description / Content</b>	<b>Competence level</b>	<b>Duration in minutes</b>
6.623	Control	Congrav® OP6 (HGC)	Configuration of the plant	3	30
6.624	Control	Congrav® OP6 (HGC)	Calibration Taring Feeding	3	30
6.721	Control	Congrav® OP16 (HGC)	Hardware Power supply, connections, interfaces, touchscreen operation Add extension modules	3	30
6.722	Control	Congrav® OP16 (HGC)	Configuration Feeder	3	30
6.723	Control	Congrav® OP16 (HGC)	Configuration Installation	3	30
6.724	Control	Congrav® OP16 (HGC)	Calibrating and Taring	3	30
6.731	Control	Congrav® OP16 (N)	Hardware	3	30
6.732	Control	Congrav® OP16 (N)	Configuration Feeder	3	30
6.733	Control	Congrav® OP16 (N)	Configuration Installation	3	30
6.734	Control	Congrav® OP16 (N)	Calibration, Taring, Feeding	3	30
6.735	Control	Congrav® OP16	Operating Feeder	3	30
6.81	Control	Start conditions	Start conditions	3	30
6.82	Control	Feeding parameters	Software HGC	3	30
6.83	Control	Feeding parameters	Software N	3	30

Course no.	Title	Topic	Description / Content	Competence level	Duration in minutes
6.84	Control	Errors and Alarms	Errors and Alarms	3	30
6.86	Control	Operating Mode	Operating mode Installation mode	3	30
6.87	Control	Extension module	OP	3	30

## Training modul 7: Special topics

Commissioning training and training on products outside the current product portfolio are also possible.

Ask them directly via: [hotline@kubota-bt.com](mailto:hotline@kubota-bt.com)

## 4. Price list

The daily rate for in-house training for up to 4 persons is: 1.400,00 €\*.

Each additional person costs €100,00 / day extra.

\* Price includes seminar catering and training documents excl. 19% VAT.

Training at your site (individual training):

On-site training must be calculated and offered individually depending on content, duration and preparation time.

## 5. Registration & Course overview

Please use our form "Registration for training" for registration.