

fibo intercon

Concrete Laboratory Container



Your partner in concrete solutions



On-site concrete testing

From time to time our customers need some indoor space on the site where the climate can't be an influence on the test results and technical equipment etc.

The Fibo Intercon Concrete Testing Laboratory Container is designed for use on remote sites, enabling the routine testing of soil and concrete to be carried out efficiently.

The Concrete Laboratory Container comes with individual equipment according to every customers special requirements.

The Laboratory Container is suitable for mobile to stationary purposes.



Technical specifications

Available in various dimensions

Can be equipped and furnished according to customer requirements.

As a standard the container is equipped with: tables, sink, cupboards, drawers, shelves, electric installations, CE-plugs and aircon/heater to maintain the right testing temperature in the container.

Technical Options

The standard laboratory is constructed on a solid steel frame container with corner casts and fork lift pockets which makes it easy to move and place.

For enabling of the routine testing of soil and concrete to be carried out efficiently, the Concrete Laboratory Container is an ideal solution: With professional testing devices it is possible to test mixture, meet demands for high quality concrete mix designs and avoid fatal failures.

Our Concrete Laboratory Container is easy to combine and set up together with various types of machinery and plants on the building site.

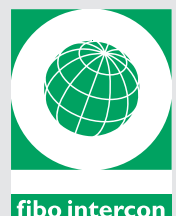
We can attend to laboratory projects as a consultant. Our concrete technicians can support you with your concrete mix design and concrete testing. We can help you go through the processes and make sure you have the right set up and equipment to ensure you are delivering concrete to your customers satisfaction.

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Standard equipment

The testing of fresh, hardened and in-situ concrete is vital to ensure that concrete structures comply with specifications and relevant standards.

To perform the different tests on building materials as Aggregates, Cement, Concrete, Soil, Rock, asphalt etc. A vast range of General Laboratory equipment is required.

This range includes important equipment like ovens, balances, measuring instruments, but also laboratory hardware, graduated cylinders, scoops, containers, plasticware etc.

Concrete testing equipment will allow the contractor to know everything they need to know for the construction project. It will show that the concrete is ready to support the weight of the structure.

Some testing equipment is used widely in all laboratories, and some of it is used more rarely. We have made a standard package of the most common used equipment.

1



1

Pilot Pro Automatic Compression Tester

PILOT PRO is the best choice for Quality Control laboratories to carry out a high level of routine failure tests including compression, flexure and indirect tensile tests.

For cylinders up to 160 x 320 mm and cubes up to 200 mm.

2



2

Distance pieces

Distance pieces made of steel. Used to reduce the travel of the piston, depending on the size of the specimen and considering that, in general, the maximum piston travel is 50 mm.

1 pc. 200 x 50 mm
2 pcs. 200 x 68 mm

3



3

Cube moulds

12 pcs. Plastic cube moulds ideal and very practical for field use and production control.

4



5



5

Control panel for vibrating table

Control panel for vibrating tables. 60 seconds timer and on/off switch.

6



6

Heavy plastic curing tank

Heavy plastic curing tank. 650 l capacity. Complete with robust metal internal base to hold concrete specimens without distortions.

4

Vibrating table 630 x 400 mm

Vibrating table for concrete moulds with clamping device and retaining edges to avoid the moulds from falling from the table. Robustly manufactured to operate with minimum noise levels. Operates at 3000 vibrations per minute at 50 Hz or 3600 vibrations per minute at 60 Hz.

7

**7 Automatic compression tester**

Thermostatic analogic submersible heating system for curing tank.

1500 W 230V/50-60 Hz/1Ph.

8

**8 Submersible circulation pump**

Submersible circulation pump for curing tank. 230V/50-60Hz/1Ph.

9

**9 Air entrainment meter**

The air content is a very important parameter for the behavior of concrete to weathering and to verify the air content variation due to the use of chemical additives to increase the workability of concrete. Pressure gauge type, 7 l cap.

10

**10 Metal thermometer**

2 pcs. Metal thermometer 0-100 °C
Dial dia 50 mm.
Stem dimensions dia 3 x 200 mm

11

**11 Digital thermometer**

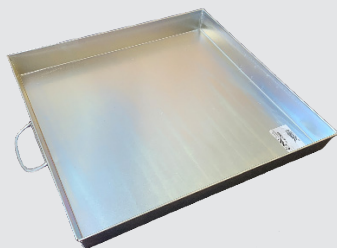
Digital thermometer with 1 m cord and probe. Can be used for monitoring temperature of asphalt, concrete mortar etc. -50 +50 °C range x 0,1 °C.

12

**12 Slump cone test set**

Portable slump cone test set including steel cone protected against corrosion, base plate, steel tamping rod, steel ruler and scoop. Conforming to EN and ASTM standard.

13

**13 Mixing tray**

4 pcs. Mixing tray, Nesting type.
460 x 460 x 50 mm.

14

**14 Microwave**

Microwave oven is used for drying, conditioning, moisture determination and pre-heating applications when quick drying is required.

15

**15 Glas turntable tray**

2 pcs. of 245 mm glass plate for microwave, with 3 fixers.

16



16

Scoop

Round aluminium scoop
1000 ml capacity.

17



17

Plastic containers

Plastic containers with airtight lid and handles.

Delivered models:
8 x 5 l capacity.
8 x 15 l capacity

18



18

Balance scale

Balance scale.
Capacity 6000 g,
Solution 0.1 g

19



19

Balance scale

Balance scale.
Capacity 60000 g, Solution 1g

20



20

Calibration weights

These weights are used for periodic checking of the balances.

Delivered models:
50 g, 100 g, 200 g, 500 g and 1 kg.

21

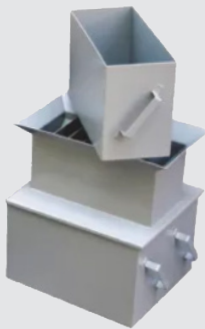


21

Sand absorption cone and tamper

Sand absorption cone and tamper for consistency. This item is also used for determining the specific gravity and absorption of fine aggregates.

22



22

Riffle box

EN riffle box, 50 mm slot width.
Used to divide representative dry samples into the required batch sizes for testing.

Supplied complete with 3 pans

23



23

Electromagnetic sieve shaker

Electromagnetic sieve shaker for sieves up to 315 mm dia. 230V, 50-60Hz, 1ph. The vertical sieving motion is provided by a very effective electromagnetic unit, which is set to obtain the best result with sand and aggregates. Complete with timer.

24



24

Testing sieves

We deliver a complete range of full depth testing sieves 0,063, 0,125, 0,25, 0,5, 1, 2, 4, 8 and 16, mm dia. Including a 200 mm lid.

Optional equipment

Equipment or features that can be added to your concrete laboratory container which are not part of the standard package.

Optional equipment or features are not included in the standard price, and is provided only if you requests it.

We know that there are many different requirements, depending on the project you need to solve, that's why the concrete laboratory container can

be ordered with individual equipment according to every customers special requirement.

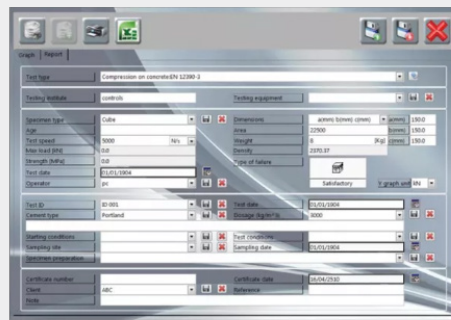
We have put together some of the most common optional equipment ordered. This range includes special equipment like ovens, software, cast moulds, flexure testing device for Pilot Pro, plastic cover for curing tank, motorised flow table with digital counter and air-entrainment meter etc.

If in need of anything else, please contact us and we will find the right solution for you.

1



2



3



1 Base for Pilot Pro Compact. (optional)

Base for 2000 KN En Frames

2 Software Pilot Pro (optional)

DATAMANAGER PC software compatible with DIGIMAX, PILOT and AUTOMAX SMART Line. Suitable for remote control of the system (AUTOMAX only), data acquisition, processing and filing. Printout of customized test certificates. LAN cable included.

3 Flexure testing Pilot Pro (optional)

Flexure testing accessory for center and third point test on concrete beams. Total height: 370 mm when adjusted for 150 mm beams and 320 mm for 100 mm beams. The devices can be easily placed on the compression tester by removing the bottom plate or by using suitable distance pieces to adjust the vertical daylight.

4

Client	xxx	Indirizzo	Site address
Costruttore	CONTROLS	Modello	C46F02
Customer		Matricola	20005xxx
		Serial no	
Carico massimo con Load measured by	Scale/Ranges	Unit - Unit	Carico min ver. Lower test
Indic. Manometrico - Manometer indicator			Mat. Serial no
Display dig. - Digital dis.	0-2000kN	0.01	20kN
Alta. Cilindr.			20005
Verificato con-Verified with	Scale/Ranges	Certificato n°-Certificate no.	Valid - Validity
Dinamometro statico - Force transducer	0-300 kN	Men-300/20	gen-21
Centralina digitale-Digital electronic tester		Men-300/20	gen-21
Manometro-Manometer			A.40.02.007
Analisi di prova-Prising rings			
Verificato secondo	EN 12380-4	Carico ver. da	20 kN
Conforme to	EN ISO 7500-1	Load verified from	300kN
Forza	Unità centrale (dimension)	Temp. ambiente	20 °C
Load	Output digital electronic tester (division)	Initial Temp.	°C Final
kN	0-300		
0	0		
11263	11264		
22628	22629		
33917	33918		
45206	45207		
56495	56496		
67784	67785		
79073	79074		
90362	90363		
101651	101652		
112940	112941		
124229	124230		
135518	135519		
146807	146808		
158096	158097		
169385	169386		
180674	180675		
191963	191964		
203252	203253		
214541	214542		
225830	225831		
237119	237120		
248408	248409		
259697	259698		
270986	270987		
282275	282276		
293564	293565		
304853	304854		
316142	316143		
327431	327432		
338720	338721		
350009	350010		
361298	361299		
372587	372588		
383876	383877		
395165	395166		
406454	406455		
417743	417744		
429032	429033		
440321	440322		
451610	451611		
462899	462900		
474188	474189		
485477	485478		
496766	496767		
508055	508056		
519344	519345		
530633	530634		
541922	541923		
553211	553212		
564500	564501		
575789	575790		
587078	587079		
598367	598368		
609656	609657		
620945	620946		
632234	632235		
643523	643524		
654812	654813		
666101	666102		
677390	677391		
688679	688680		
700000	700001		
711289	711290		
722578	722579		
733867	733868		
745156	745157		
756445	756446		
767734	767735		
779023	779024		
790312	790313		
801601	801602		
812890	812891		
824179	824180		
835468	835469		
846757	846758		
858046	858047		
869335	869336		
880624	880625		
891913	891914		
903202	903203		
914491	914492		
925780	925781		
937069	937070		
948358	948359		
959647	959648		
970936	970937		
982225	982226		
993514	993515		
100640	100641		
101769	101770		
102898	102899		
104027	104028		
105156	105157		
106285	106286		
107414	107415		
108543	108544		
109672	109673		
110801	110802		
111930	111931		
113059	113060		
114188	114189		
115317	115318		
116446	116447		
117575	117576		
118704	118705		
119833	119834		
120962	120963		
122091	122092		
123220	123221		
124349	124350		
125478	125479		
126607	126608		
127736	127737		
128865	128866		
130000	130001		
131129	131130		
132258	132259		
133387	133388		
134516	134517		
135645	135646		
136774	136775		
137903	137904		
139032	139033		
140161	140162		
141290	141291		
142419	142420		
143548	143549		
144677	144678		
145806	145807		
146935	146936		
148064	148065		
149193	149194		
150322	150323		
151451	151452		
152580	152581		
153709	153710		
154838	154839		
155967	155968		
157096	157097		
158225	158226		
159354	159355		
160483	160484		
161612	161613		
162741	162742		
163870	163871		
165000	165001		
166129	166130		
167258	167259		
168387	168388		
169516	169517		
170645	170646		
171774	171775		
172903	172904		
174032	174033		
175161	175162		
176290	176291		
177419	177420		
178548	178549		
179677	179678		
180806	180807		
181935	181936		
183064	183065		
184193	184194		
185322	185323		
186451	186452		
187580	187581		
188709	188710		
189838	189839		
190967	190968		
192096	192097		
193225	193226		
194354	194355		
195483	195484		
196612	196613		
197741	197742		
198870	198871		
200000	200001		
201129	201130		
202258	202259		
203387	203388		
204516	204517		
205645	205646		
206774	206775		
207903	207904		
209032	209033		
210161	210162		
211290	211291		
212419	212420		
213548	213549		
214677	214678		
215806	215807		
216935	216936		
218064	218065		
219193	219194		
220322	220323		
221451	221452		
222580	222581		
223709	223710		
224838	224839		
225967	225968		
227096	227097		
228225	228226		
229354	229355		
230483	230484		
231612	231613		
232741	232742		
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235000	235001		
236129	236130		
237258	237259		
238387	238388		
239516	239517		
240645	240646		
241774	241775		
242903	242904		
244032	244033		
245161	245162		
246290	246291		
247419	247420		
248548	248549		
249677	249678		
250806	250807		
251935	251936		
253064	253065		
254193	254194		
255322	255323		
256451	256452		
257580	257581		
258709	258710		
259838	259839		
260967	260968		
262096	262097		
263225	263226		
264354	264355		
265483	265484		
266612	266613		
267741	267742		
268870	268871		
270000	270001		
271129	271130		
272258	272259		
273387	273388		
274516	274517		
275645	275646		
276774	276775		
277903	277904		
279032	279033		
280161	280162		
281290	281291		
282419	282420		
283548	283549		
284677	284678		
285806	285807		
286935	286936		
288064	288065		
289193	289194		
290322	290323		
291451	291452		
292580	292581		
293709	293710		
294838	294839		
295967	295968		
297096	297097		
298225	298226		
299354	299355		
300483	300484		
301612	301613		
302741	302742		
303870	303871		
305000	305001		
306129	306130		
307258	307259		
308387	308388		
309516	309517		
310645	310646		
311774	311775		
312903	312904		
314032	314033		
315161	315162		
316290	316291		
317419	317420		
318548	318549		
319677	319678		
320806	320807		
321935	321936		
323064	323065		
324193	324194		
325322	325323		
326451	326452		
327580	327581		
328709	328710		
329838	329839		
330967	330968		

7



7 Cube mould (optional)

150 mm cast iron cube moulds can be supplied, on request.

Also available as a 4 parts model.

8



8 Cylinder mould (optional)

Mould for cylinder 100 x 299 mm.

Also available in a hard plastic body with a steel base.

9



9 Plastic cover (optional)

Plastic cover for curing tank.

10



10 Pedal for vibrating table (optional)

Waterproof pedal switch for vibrating table. 110-230 V 50/60Hz 1 Ph.

11



11 Laboratory Drying Oven (optional)

Our Laboratory Drying Ovens have been specifically designed for civil engineering testing laboratories and are invaluable for the precise sample preparation and conditioning of construction materials, such as concrete, rock, soil and aggregate.

12



12 Stainless steel pan (optional)

6 pcs. Stainless steel pan with handles 300 x 220 x 55 mm 0.5 mm thick.

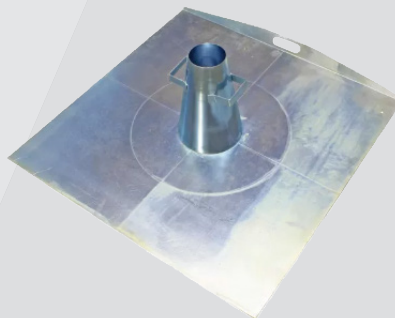
13



13 Flow table (optional)

Motorised flow table with digital counter. Supplied complete with flow mould, hopper and tamper. Conforming to ASTM C230. User interface: large size graphic display and membrane keyboard. 230V, 50Hz, 1ph.

14



14 SCC Slump Cone test set

The test is performed for determining the slump flow and t500 time for self-compacting concrete. The test is not suitable when the maximum size of the aggregate exceed 40 mm.

15



15 Air entrainment meter

Air entrainment meter, 1 litre cap. The air content is a very important parameter for the behavior of concrete to weathering and to verify the air content variation due to the use of chemical additives to increase the workability of concrete

High quality concrete solutions

Many years of experience in the industry has made fibo intercon a leading supplier to the global concrete industry. We manufacture and deliver both mobile, semi-mobile and stationary concrete batching plants as well as production equipment and complete concrete systems.

In our production, we only use state of the art technologies and methods to ensure our customers the best quality, efficiency and reliability.

Over the years, we have been developing and delivering high quality solutions to customers all over the world. The products delivered have ranged from standard batching plants to unique customized solutions, and our batching plants have been used for both small and large scale building projects

Fibo intercon strives to provide quick and competent service. We have developed our own representative network in several countries, and our service technicians are ready to go to your place and help you with the installation and servicing of your batching plants, and with the training of your employees.

B1800

The B1800 mobile concrete batching plant is one of our best sellers.

A very popular plant with construction contractors as well as small recycling contractors using between 18,000 and 30,000 m³ of concrete per year.

The B1800 is a compact, mobile batching plant with a capacity of 20-30 M³/h.



F2200

The F2200 is an ideal batching plant for making concrete using recycled materials. The four bins allow you to mix a blend of natural sand and stone with crushed concrete, ceramics and glass.

With an output between 25 to 62m³ per hour, the payback period is between six to twelve months.



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