

```
1 import WEISS_DNA.Begeisterung
2 import WEISS_DNA.Innovation
3 import WEISS_DNA.Vision
4 import Industrie4_0_Standards.RAMI
5 import Industrie4_0_Communications.OPC-UA
6 import Kunden.Anforderungen
7 import Market.Trends
8
9
10 //OneWEISS. Incomparable. Your partner for a future-ready production
11 public static final class WEISSGmbH implements Industrie4_0_Standards,
12
13 public class YourBusiness{
14     public static void main(){
15         You = new Entrepreneur();
16         Production yourProduction = (You.AreFutureReady())? new ProductionFromTomorrow(): new ProductionPast();
17         while(true){
18             yourProduction.produceWith(WEISSGmbH);
19         }
20 }
21
22
23 public class ProductionTomorrow:Production{
24     public Results produceWith(Partner yourPartner){
25         yourPartner = yourPartner instanceof Industrie4_0_Standards;
26         this.results.profits++;
27         this.results.ifficiency++;
28         this.results.flexibility++;
29         return(this.getResults());
30 }
31 }
32
33 public class ProductionPast:Production{
34     public Results produceWith(Partner partner){
35         this.results.profits--;
36         this.results.ifficiency--;
37         this.results.flexibility--;
38         return(this.getResults());
39     }
40 }
41
42 private abstract class Production{
43     private Results results;
44     private Partner partner;
45     protected Results getResults(){
46         return(this.results);
47     }
48     protected Results produceWith(Partner p){}
49 }
50 public struct Results{
51     public double profits;
52     public double efficiency;
53     public double flexibility;
54 }
```



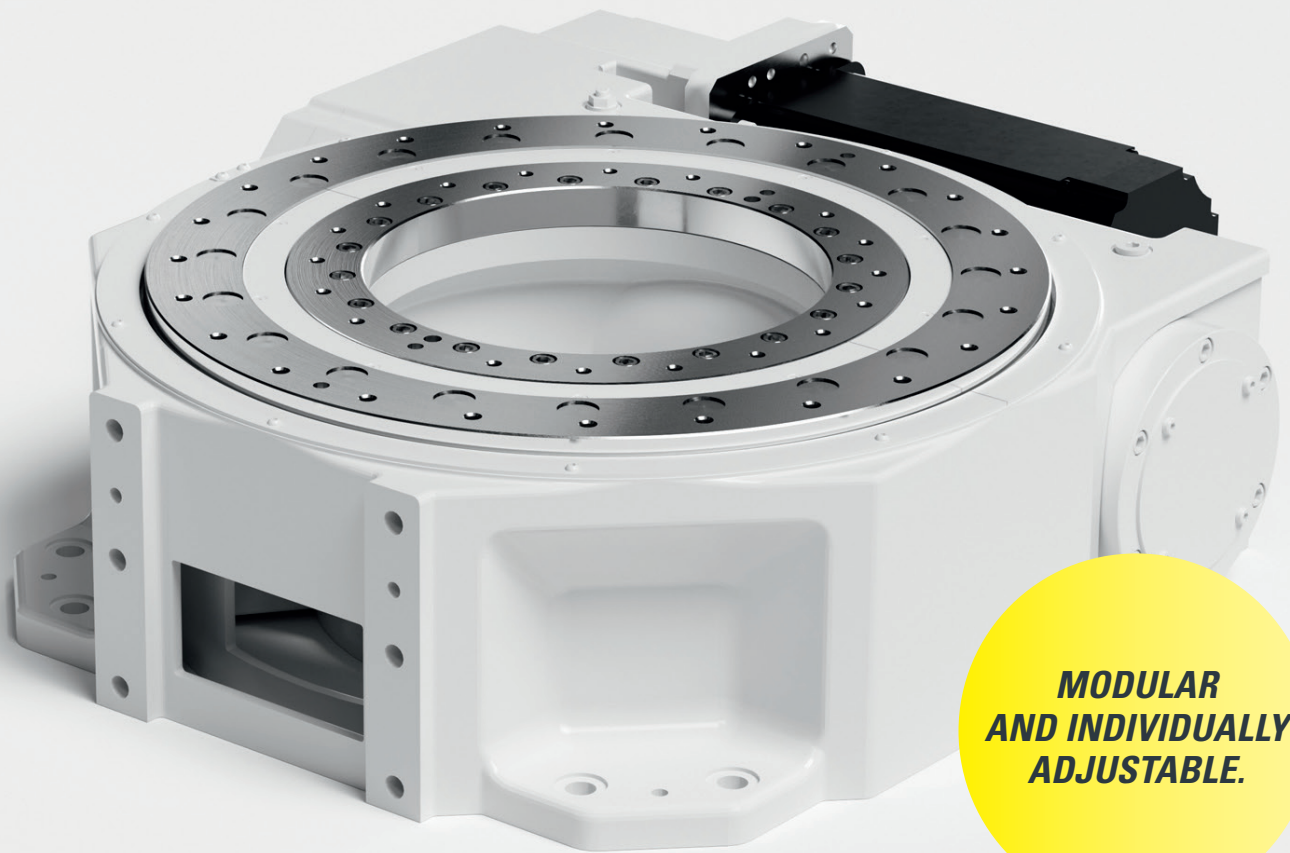
THE NEW CR HEAVY DUTY TABLE

01 Be_futureReady();

02 |

READY
FOR
THE
PRODUCTION
OF
TOMORROW

THE NEW GENERATION OF HEAVY DUTY TABLES



**MODULAR
AND INDIVIDUALLY
ADJUSTABLE.**

***GREATER PERFORMANCE
GREATER PRECISION
GREATER FLEXIBILITY***

READY FOR INDIVIDUAL PRODUCTION

The new generation of heavy duty tables from WEISS. Equipped with incredible power and phenomenal precision, the new CR range is replacing the previous range of CR tables. The user-programmable servo drive and flat, compact design with large central opening ensure exemplary flexibility in production operations. The best feature, however, are the numerous versions and options with which users can specifically match the component precisely to their application requirements. The new CR – individual production taken to the next level.



PAY WHAT YOU NEED

FOR INDIVIDUAL AND EFFICIENT PRODUCTION

Every automation environment is different and has different requirements of the automation component. Are large quantities produced? Is the focus on dynamic performance or rather precision? The modular concept of the new CR range offers users the opportunity to configure the component individually and exactly.



LOTS OF SPACE IN THE CENTRE

NEW ELEGANCE IN SYSTEM ERGONOMICS

The new CR makes integration into the system context an easy and smooth process in every respect. Particular emphasis was placed on system ergonomics here, from the large central opening, through the flat and compact design, all the way up to the easy and intuitive software control. Practical features also simplify the system design.



STRONG AND ROBUST

GREATER PERFORMANCE AND PRECISION IN A SMALL SPACE

In comparison with the previous heavy duty tables, WEISS has given the new CR greater performance in all power categories. Boasting a 20 % increase in output torque in a smaller footprint, the power density has increased markedly. The housing has also been further optimized and now offers significantly greater stiffness and robustness.

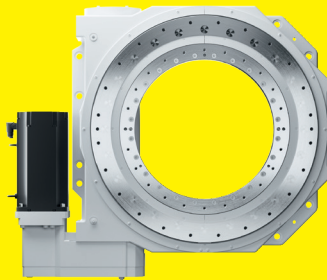
POWERPLAY FOR AUTOMATION

TWO VARIANTS



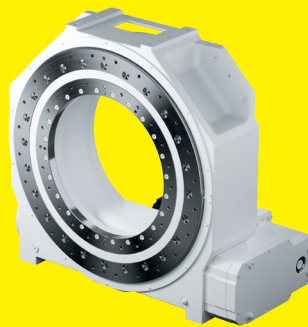
Extreme dynamics or extreme precision? The new CR heavy duty rotary indexing ring is available in the two versions **Dynamic** or **Precision** with cam rollers tensioned against one another.

LARGE CENTRAL OPENING



Generously dimensioned central opening with lots of space for passing through cables or upright attachments. Compared with its predecessor, the diameter has grown by 230% to 346 mm.

ONE FOR BOTH: HORIZONTAL AND VERTICAL



One table – two applications. The gearbox can be simply pivoted, allowing both horizontal and vertical use and thereby offering important benefits in terms of reusability, flexibility and efficiency.

COMPACT AND FLAT



Compact and flat design. No other table offers this kind of power density in such a small footprint. The height also remains constant when using the 700 / 900 models. This allows the application to be scaled through simple adjustments.

MODULAR, INDIVIDUAL AND PRECISELY MATCHED

The new CR range impresses with its incredibly modular concept, which offers users the opportunity to choose between the two poles of precision and dynamics. The **Precision** version of the table with pretensioned cam rollers is perfect for applications requiring high precision. The **Dynamic** version, on the other hand, focuses more on short cycle times for heavy loads with its even higher power density. Numerous additional adjustment options are available for both basic versions.

OPTIONAL ROTARY ENCODER

For the ultimate in precision: The optional rotary encoder also increases precision.

REINFORCED BEARING

Strong is not strong enough? With installation of the reinforced bearing, a smaller CR model may in certain circumstances be sufficient for the application. This increases the efficiency of the system.

FIVE GEAR RATIOS

A total of five different gear ratios are available. This makes it possible to configure the table optimally for any application.



EASY AND INTUITIVE TO SET UP

From assembly of the table, all the way up to motor installation, all interfaces have been designed to offer exemplary ease-of-use and ease-of-service. Despite complex servo technology, both set-up and operation are amazingly easy. Thanks to use of the WEISS Application Software (WAS), all relevant settings are already preparameterised. Operation is so easy and intuitive that the new CR can be prepared for use in production operations in a very short time and without the need for any special knowledge.

- ▶ Preconfigured and matched control system
- ▶ Fast commissioning without the need for any special knowledge
- ▶ Maximum operator convenience thanks to intuitive software interface
- ▶ Application-relevant data at the touch of a button
- ▶ Future-ready and open for Industry 4.0 integration

The new CR is a true power player. In comparison with the previous heavy duty tables, it has been improved in virtually all power categories. Thanks to the user-programmable servo drive, it is also extremely flexible.

The table can still be used even when production conditions change, for example if the dimensions of the components change or the automation system is being redesigned. This is where the modular concept of the table really pays off. Drives can be replaced and gear ratios changed. Remodelling from horizontal to vertical operation is also stress-free. The CR therefore makes a contribution to increasing system profitability and lowering the total cost of ownership.

- ▶ Phenomenal power density: Up to 58 % higher output torque than its predecessor.
- ▶ Excellent precision and dynamics
- ▶ Optimised housing for exceptional robustness and stiffness
- ▶ Heavy duty table with the smallest footprint in this category in the market
- ▶ High degree of reusability
- ▶ All standard market motors can be fitted

The CR0900 Dynamic delivers output torque of

13.000 Nm

This is 58% more than the previous CR0700.



INSPIRING PEOPLE **GREAT SOLUTIONS**

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