

# PRÜFTECHNIK

## NOVAFLUX

### Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54
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Екатеринбург (343)384-55-89	Магнитогорск (3519)55-03-13	Рязань (4912)46-61-64	Уфа (347)229-48-12
Иваново (4932)77-34-06	Москва (495)268-04-70	Самара (846)206-03-16	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Мурманск (8152)59-64-93	Санкт-Петербург (812)309-46-40	Череповец (8202)49-02-64
Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Саратов (845)249-38-78	Ярославль (4852)69-52-93

# NOVAFLUX® in your production line: Easy to integrate with savings potential!

## Sensors

### Rotating units in different sizes

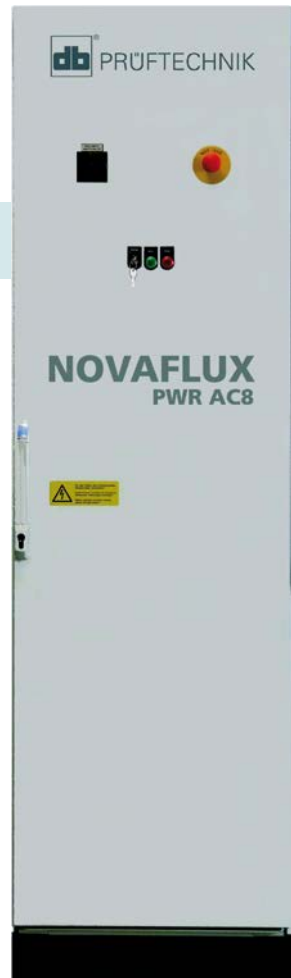
Rotating units are available in three different sizes for different product diameters. They contain special rotating sensors that reliably detect small defects on bars and tubes.



## Line control unit

### Control cabinet PWR AC8

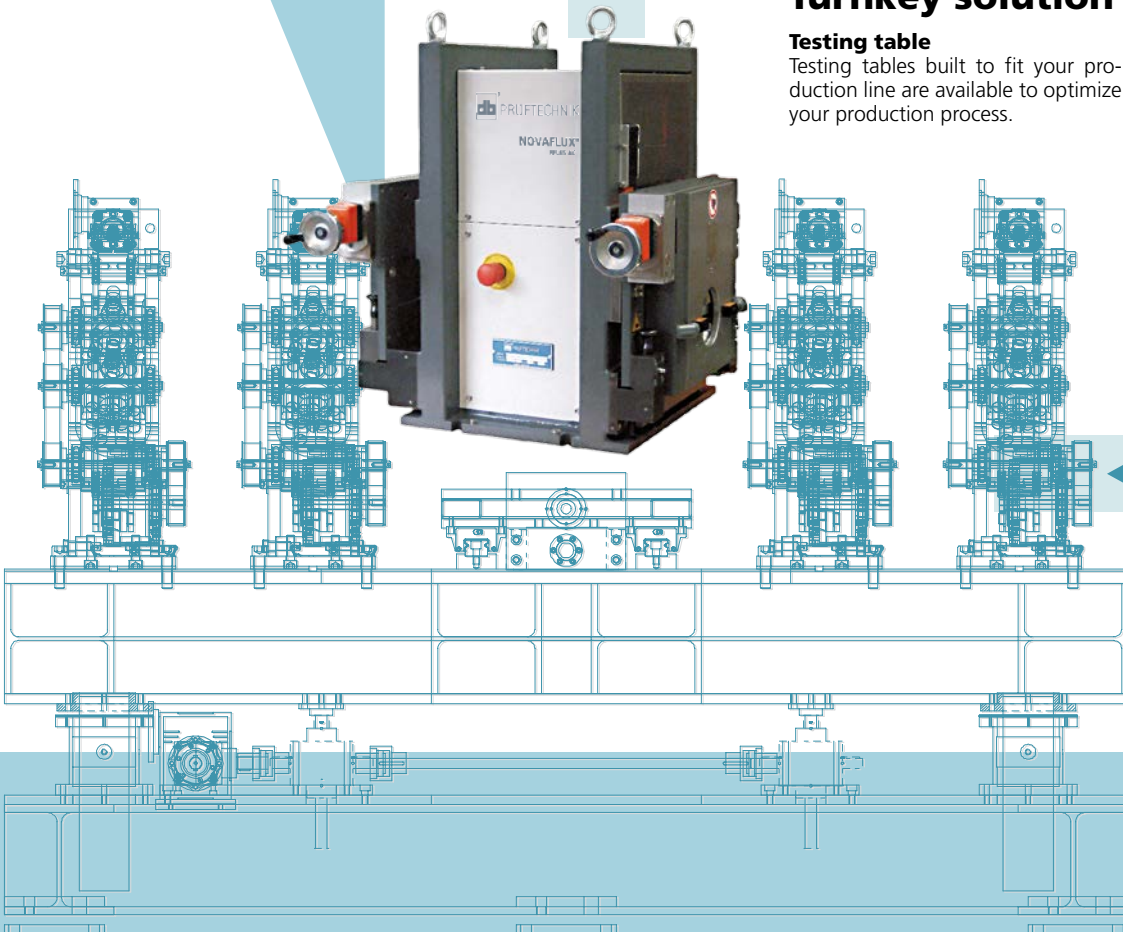
The NOVAFLUX® PWR AC8 cabinet controls the flux leakage testing and communicates with the higher-order line control system already in place.



## Turnkey solution

### Testing table

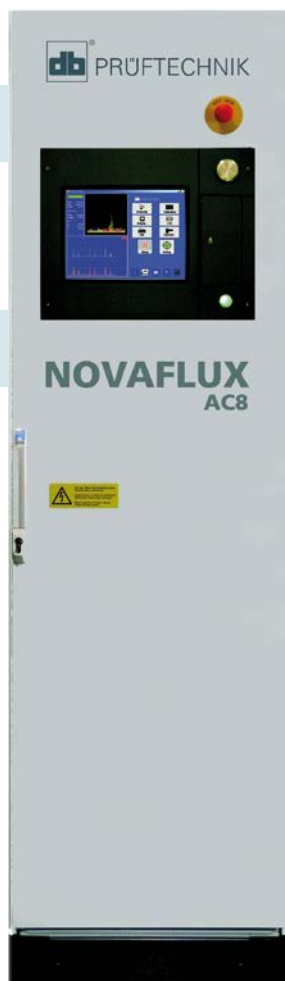
Testing tables built to fit your production line are available to optimize your production process.



## User-friendly

### Testing cabinet AC8

The AC8 cabinet features a powerful PC with a touchscreen for easy operation: simply enter all parameters directly and instantly create reports. The touchscreen can also be integrated in the control panel of the line.



## Documented test results

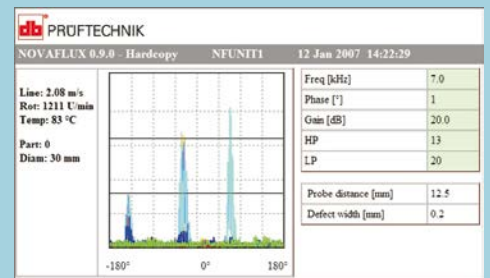
### Signals

Realtime signals provide immediate feedback on the quality of the test piece. On the display, signals are shown in 8 different colors to distinguish the 8 channels.



### Reports

You can save or print out test reports for use during repair or for later verification of testing. Reports contain test results from NOVAFLUX® alone or from all testing equipment in the finishing shop.



## Outputs

### Marking for repair

Defects can be marked anywhere on the tested bar for easy identification. This simplifies the retrieval of repairable material.



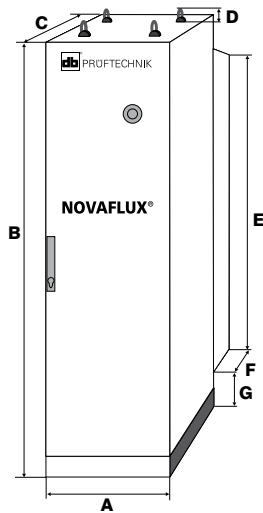
### Sorting

Use three sorting classes to sort the tested bars in three qualities.



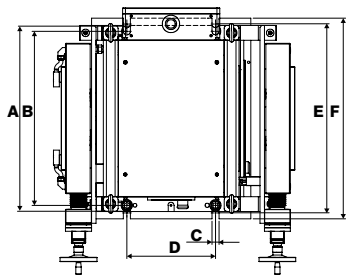
# Dimensions

## Cabinets



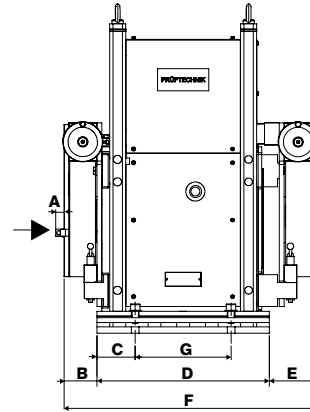
	Units	A	B	C	D	E	F	G
Testing cabinet AC8: ACF1000/ ACF1001	mm	600	2100	800	65	--	--	--
	inch	23.6	82.7	31.5	2.6	--	--	--
Control cabinet PWR AC8 ACF2001	mm	600	2100	800	65	--	--	--
	inch	23.6	82.7	31.5	2.6	--	--	--
Control cabinet PWR AC8 ACF2000	mm	600	2100	800	65	1580	290	113
	inch	23.6	82.7	31.5	2.6	62.2	11.4	4.4

## Rotating unit: Top



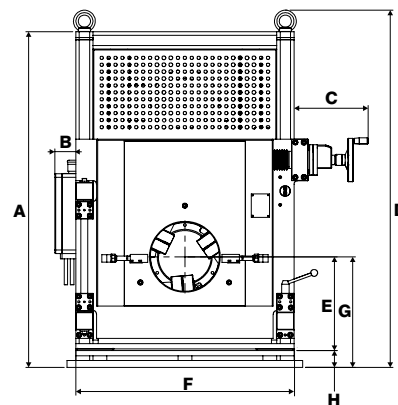
	Units	A	B	C	D	E	F
RFL65	mm	454	420	20	202		
	inch	17.87	16.54	0.79	7.95		
RFL140	mm	630	24	300	640	680	
	inch	24.80	0.94	11.81	25.19	26.77	
RFL200	mm	776	24	360	820	860	
	inch	30.55	0.94	14.17	32.28	33.86	

## Rotating unit: Operator side



	Units	A	B	C	D	E	F	G
RFL65	mm	20	59.9	111	424	105.5	589	
	inch	0.79	2.36	4.37	16.69	4.15	23.19	
RFL140	mm	26.4	103	120	540	149	792	300
	inch	1.1	4.05	4.72	21.26	5.87	31.18	11.81
RFL200	mm	20.4	103	136	632	103	838	360
	inch	0.80	4.06	5.35	24.88	4.06	33	14.17

## Rotating unit: Infeed



	Units	A	B	C	D	E	F	G	H
RFL65	mm	660	60	181	714	195	454		
	inch	25.98	2.36	7.13	28.11	7.68	17.87		
RFL140	mm	970	60	214	1033	270	630	321	51
	inch	38.19	2.36	8.42	40.67	10.63	24.8	12.6	2.0
RFL200	mm	1120	40	172	1191	340	776	395	55
	inch	44.09	1.57	6.77	46.89	13.38	30.55	15.55	2.17

# NOVAFLUX® testing system: Technical data

	NOVAFLUX® system with RFL65	NOVAFLUX® system with RFL140	NOVAFLUX® system with RFL200
<b>Weight</b>	350 kg (772 lb)	840 kg (1852 lb)	1150 kg (2535 lb)
<b>Inspection speed</b>	Up to 2.4 m/s (7.87 ft/s) depending on the test piece diameter	Up to 3 m/s (9.84 ft/s) depending on the test piece diameter	Up to 1.6 m/s (5.25 ft/s) depending on the test piece diameter
<b>Defect resolution</b>	0.1 mm depending on surface structure; 0.05 mm on bright steel depending on surface structure		
<b>Defect length</b>	Probe distance 6.25 mm: 9 mm (0.35 in); probe distance 5 mm: 7.5 mm (0.30 in)	Probe distance 10 mm: 15 mm or more (0.59 in); probe distance 12.5 mm: 17 mm (0.67 in) or more	Probe distance 7.5 mm: 10 mm (0.39 in)
<b>Sorting classes</b>	S0 (good); S1 (repairable); S2 (scrap)		
<b>Display</b>	8-channel		
<b>Acoustic emission</b>	Approx. 82 dB(A) without test piece (distance 1m)	83 dB(A) at 1800 rpm without test piece (distance 1 m)	Approx. 80 dB(A) without test piece (distance 1 m)

## Application fields

	NOVAFLUX® system with RFL65	NOVAFLUX® system with RFL140	NOVAFLUX® system with RFL200
<b>Production type</b>	Bars and seamless tubes		
<b>Materials</b>	Round black or bright steel (ferromagnetic); rolled, straightened or sand blasted		
<b>Diameter</b>	5-65 mm (0.20 - 2.60 in)	10-140 mm (0.39 - 5.51 in)	30-200 mm (1.18 - 7.87 in)
<b>Production line</b>	Offline (single bars and tubes)		

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