

DISC FINISHING

RDF

MSF

MASS

SURFACE FINISHING

OUR EXPERIENCE, YOUR RESULTS

ROLL

WASCH





DISC FINISHING
FOR THE FINISHING
OF SMALL
COMPONENTS IN
VERY SHORT TIMES



DISC FINISHING
A REALIABLE AND
PERFECTED
TECHNOLOGY
SINCE 1981



DISC FINISHING IDEAL MACHINES FOR FLAT AND SMALL ITEMS



A close-up photograph of a clear plastic faucet pouring water into a large yellow plastic tub. The water is captured in mid-pour, creating a dynamic, splashing effect. The tub's interior is visible, showing a drain hole with a mesh cover.

DISC FINISHING
FOR MICROFLUID
FINISHING PROCESSES
TOTALLY AUTOMATIC AND
INDUSTRY 4.0 READY



DISC FINISHING

RDF



Modello Model	Capacità l Capacity l
RDF-18-WET	18
RDF-18-DRY	18
RDF-30-WET	30
RDF-30-DRY	30
RDF-50-WET	50
RDF-50-DRY	50
RDF-70-WET	70
RDF-70-DRY	70

Le sigle complete sono a pag. 13 (wet) e 14 (dry)
The complete ID list is at page 13 (wet) and 14 (dry)

The series RDF, acronym for “Rollwasch® Disc Finishing” is a complete machines programme suitable to offer many solutions from 18 to 70 lts.

Rollwasch hardware in the Disc Finishing includes solution from the industrial fields, with heavy duty setting, to the goldsmith laboratories, with flexible and competitive solutions.

In any case the RDF machines can be in Wet or Dry version, in single or combined (two, three or more units) configurations (on demand).

The mechanical precision of the disc/cylinder coupling in all the RDF version allows exclusive and high reliability solutions.

The photos and ID of the models shown on this page, refer to models and versions prior to 2017 - 2018 and serve to provide an overview of the RDF program - the models produced subsequently, such as the series 2019 - 2020 model, are summarized in the relative tables at pag. 13 and 14;

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Modello Model	Capacità l Capacity l
RDF-50-WET-SAV-S	50
RDF-50-WET-SAV	50
RDF-50-DRY-SAV	50
RDF-70-WET-SAV-S	70
RDF-70-WET-SAV	70
RDF-70-DRY-SAV	70

The complete ID list is at page 13 (wet) and 14 (dry)

The SAV models of the RDF series are an added value in HI-TECH manufacturing sites.

Thanks to the long experience in particular fields like ingots, coins and medals in “proof” quality, this particular kind of machines offers top solutions in respect of the finished article. In parallel to the high efficiency coming from the automatic re-loading of the media, it is possible to use these machines also in the HIGH-TECH fields like medical, aerospace and technical or decorative ceramic. A wide range of accessories complete the offer to reach very complete configurations.

The photos and ID of the models shown on this page, refer to models and versions prior to 2017 - 2018 and serve to provide an overview of the RDF program - the models produced subsequently, such as the series 2019 - 2020 model, are summarized in the relative tables at pag. 13 and 14;



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The RDF range, Rollwasch® Disc Finishing has been rationalized and simplified starting from the 2019/20 series.

nology sectors, has been simplified and summarized in the current 'STD' (standard) program. The complete program is summarized in detail on page 9 for wet (wet) and pag. 10 for dry versions.

This program provides machines complete with some accessories, depending on the size and the orientation of the process, ie wet or dry.

The previous program BS - SBS - instead, acronym for "Basic Standard" and "Super Basic Standard" - with machines identical to the Top Class ones, for components and regulations, but much more simplified, has instead been summarized in the new series «BASIC» (where the models are essential and without accessories of various types).

The BASIC series is very interesting as, whenever it is combined with the wide range of optional accessories available in the Rollwasch program of sensors, dosing devices, etc. it allows to configure customized settings from time to time, starting from a "clean" machine, simplified to the maximum and therefore highly customizable.

With the 2019-20 series Rollwasch wanted to renew by simplifying. Finally, thanks to the Modultek modular accessories series, the Industry 4.0 projects can be made more easily.

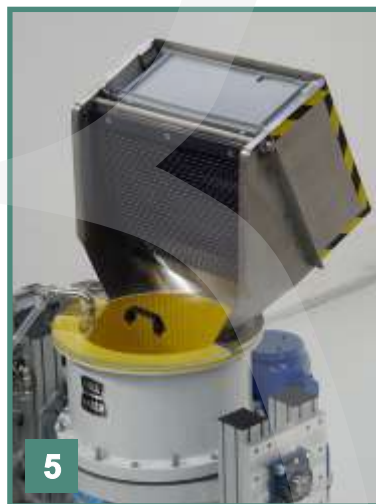
[1] RDF-50-BASIC-WET-SV: version with cylinder made of aluminium

[2] RDF-50-WET-SV: version with cylinder made of PU

[3] RDF-70-BASIC-WET-SV: with "Birne Design" cylinder and removable chute (optional)

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The RDF range, Rollwasch® Disc Finishing.

The choice of the suitable machine, both in terms of quality and type, usually depends on a finishing test carried out in our laboratories.

Depending on the process features that stand out from the laboratory, we are able to propose the most suitable hardware thanks to the wide and complete models and versions that are available.

[1] Da sinistra: - From left: RDF-30-BASIC-WET-SV; RDF-70-BASIC-WET-SV; RDF-50-BASIC-WET-SV

[2] RDF-30-WET: 30 l unit for wet process

[3] standard wet valve and sieve with reception boxes;

[4] tilted tank during the unloading phase.

[5] RDF-50-WET-SAV-S -the "S" version is more sturdy than the standard one and is suitable for stainless steel ball burnishing.

[6] RDF-30-BASIC-WET-SV 2 units during the try-out, before shipment

[7-8] RDF-18-SBS-W/D: With one tank for wet and one for dry processes. The table versions are identified with "SBS" abbreviation.

Le foto e le sigle dei modelli riferite in questa pagina sono riferite a modelli e a versioni antecedenti il 2017 - 2018 e servono ad offrire una panoramica orientativa del programma RDF - i modelli fabbricati successivamente, come quello 2019-20, sono riassunti nelle tabelle relative a pag. 13 e 14;



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The RDF range, Rollwasch® Disc Finishing.

- [1] RDF-70-BASIC-WET-SV/ES - customized water connections on a machine side,
- [2] UNID-4-CT - vibratory separator with hopper, complete with rinsing sprinklers.
- [3] RDF-70-BASIC-WET-SV/ES - in special execution;
- [4] RDF-70-BASIC-WET-SV/ES -during the unloading phase on the separator hopper;
- [5] RDF-70-BASIC-WET-SV/ES - control board in special execution with transparent protection;

Le foto e le sigle dei modelli riferite in questa pagina sono riferite a modelli e a versioni antecedenti il 2017 - 2018 e servono ad offrire una panoramica orientativa del programma RDF - i modelli fabbricati successivamente, come quello 2019-20, sono riassunti nelle tabelle relative a pag. 13 e 14;

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The RDF range, Rollwasch® Disc Finishing.

[1] RDF-30-WET-K5/ES: an example of a 5 units combined machine in special execution;

[2] RDF-50-BASIC-WET-SAV-S - the machine during the process has a very low noise level thanks to a specific opt

[3] RDF-30-WET-K5/ES: an example of pneumatic valve and top-level water level control;

[4] RDF-30-WET-K5/ES: an example of an automatic rinsing process at the end of the cycle ;

[5] RDF-50-BASIC-WET-SAV-S - a detail of "top-level" optional device;

Le foto e le sigle dei modelli riferite in questa pagina sono riferite a modelli e a versioni antecedenti il 2017 - 2018 e servono ad offrire una panoramica orientativa del programma RDF - i modelli fabbricati successivamente, come quello 2019-20, sono riassunti nelle tabelle relative a pag. 13 e 14;



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RDF-30-DRY-TCS



RDF-30-WET-SV-TCS + UNID-MICRO-TC



RDF-30-DRY-TCS



RDF-50-WET-SV-TCS

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RDF-WET



Modello RDF-WET RDF-WET Model 2019-2020	Disco con anello in Superalloy Nano-gap Rotary disc with Superalloy ring Nano-gap	Ver. senza alcun dispositivo di dosaggio Version without any dosing device	pompa+EV con FM da 08 o 15 o 80 l/h pump+EV with FM of 08 or 15 or 80 l/h	Scarico liquidi diretto sempre aperto Direct Liquid outlet always open	Ribaltam. vasca manuale+molla a gas Hand tilting + gas spring	Ribaltam. servoassistito elettricamente electrically servo-assisted tilting	Vaglio manuale+box per recupero media Handy-sieve with box for media recovery	Versione senza vaglio di separazione Version without separating screen	Vaglio che ribalta con la vasca SAV Sep. screen SAV tilting with the tank	Struttura rinforzata per carichi pesanti Special frame for heavy duty	Versione con valvola pneumatica Version with pneumatic valve	Macchina in Esecuzione Speciale (ES) Machine in special execution (ES)
RDF-18-BASIC-W	☺	☺	-	☺	☺	-	☺	-	-			
RDF-18-STD-W	☺	-	☺	☺	☺	-	☺	-	-			
RDF-18-BASIC-W-SV	☺	☺	-	☺	☺	-	-	☺	-			
RDF-18-STD-W-SV	☺	-	☺	☺	☺	-	-	☺	-			
RDF-30-BASIC-W	☺	☺	-	☺	☺	-	☺	-	-			
RDF-30-STD-W	☺	-	☺	☺	☺	-	☺	-	-			
RDF-30-BASIC-W-SV	☺	☺	-	☺	☺	-	-	☺	-			
RDF-30-STD-W-SV	☺	-	☺	☺	☺	-	-	☺	-			
RDF-50-BASIC-W	☺	☺	-	☺	-	☺	☺	-	-			
RDF-50-STD-W	☺	-	☺	☺	-	☺	☺	-	-			
RDF-50-BASIC-W-SV	☺	☺	-	☺	-	☺	-	☺	-			
RDF-50-STD-W-SV	☺	-	☺	☺	-	☺	-	☺	-			
RDF-50-BASIC-W-SAV	☺	☺	-	☺	-	☺	-	☺	☺			
RDF-50-STD-W-SAV	☺	-	☺	☺	-	☺	-	☺	☺			
RDF-70-BASIC-W	☺	☺	-	☺	-	☺	☺	-	-			
RDF-70-STD-W	☺	-	☺	☺	-	☺	☺	-	-			
RDF-70-BASIC-W-SV	☺	☺	-	☺	-	☺	-	☺	-			
RDF-70-STD-W-SV	☺	-	☺	☺	-	☺	-	☺	-			
RDF-70-BASIC-W-SAV	☺	☺	-	☺	-	☺	-	☺	☺			
RDF-70-STD-W-SAV	☺	-	☺	☺	-	☺	-	☺	☺			

Estensione sigla:

L'estensione della sigla integra con accessori opzionali l'allestimento **basic** o **standard**

ID extension code:

The extension of the code integrates with optional accessories the **basic** or **standard** equipment version

...-HD	☺	-	-
...-PF	-	☺	-
...-ES	-	-	☺

per EV si intende "Elettro Valvola" che apre/chiude l'ingresso di acqua; per FM si intende Flussimetro con portata da scegliere fra quelle indicate;

for EV we mean "Electro Valve" which opens / closes the entry of water; for FM we mean Flowmeter with flow rate to choose from among those indicated;

Le versioni BASIC sono volutamente prive di dispositivi di dosaggio che potranno essere scelti tra i dispositivi opzionali disponibili nella sezione MODULTEK

The BASIC versions are deliberately free of dosage devices that can be chosen among the optional devices available in the MODULTEK section



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RDF-DRY

Modello RDF-DRY RDF-DRY Model 2019-2020	Anello disco in Special-Alloy Nano-gap Disc ring in Special-Alloy Nano-gap	Ver. senza coperchio e serbatoio-filtro Version without cover and filter-drum	Soffiante di aria per il disco rotante air-blower for the rotary disc	Coperchio anti-polvere e serbatoio-filtro Cover anti-dust and filter-drum	Ribaltam. vasca manuale+molla a gas Hand tilting + gas spring	Ribaltam. servoassistito elettricamente electrically servo-assisted tilting	Vaglio manuale+box per recupero media Handy-sieve with box for media recovery	Versione senza vaglio di separazione Version without separating screen	Vaglio che ribalta con la vasca SAV Sep. screen SAV tilting with the tank	Macchina in Esecuzione Speciale (ES) Machine in special execution (ES)
RDF-18-BASIC-D	☺	☺	☺	☺	☺	-	☺	-	-	
RDF-18-STD-D	☺	-	☺	☺	☺	-	☺	-	-	
RDF-18-BASIC-D-SV	☺	☺	☺	☺	☺	-	-	☺	-	
RDF-18-STD-D-SV	☺	-	☺	☺	☺	-	-	☺	-	
RDF-30-BASIC-D	☺	☺	☺	☺	☺	-	☺	-	-	
RDF-30-STD-D	☺	-	☺	☺	☺	-	☺	-	-	
RDF-30-BASIC-D-SV	☺	☺	☺	☺	☺	-	-	☺	-	
RDF-30-STD-D-SV	☺	-	☺	☺	☺	-	-	☺	-	
RDF-50-BASIC-D	☺	☺	☺	☺	-	☺	☺	-	-	
RDF-50-STD-D	☺	-	☺	☺	-	☺	☺	-	-	
RDF-50-BASIC-D-SV	☺	☺	☺	☺	-	☺	-	☺	-	
RDF-50-STD-D-SV	☺	-	☺	☺	-	☺	-	☺	-	
RDF-50-BASIC-D-SAV	☺	☺	☺	☺	-	☺	-	☺	☺	
RDF-50-STD-D-SAV	☺	-	☺	☺	-	☺	-	☺	☺	
RDF-70-BASIC-D	☺	☺	☺	☺	-	☺	☺	-	-	
RDF-70-STD-D	☺	-	☺	☺	-	☺	☺	-	-	
RDF-70-BASIC-D-SV	☺	☺	☺	☺	-	☺	-	☺	-	
RDF-70-STD-D-SV	☺	-	☺	☺	-	☺	-	☺	-	
RDF-70-BASIC-D-SAV	☺	☺	☺	☺	-	☺	-	☺	☺	
RDF-70-STD-D-SAV	☺	-	☺	☺	-	☺	-	☺	☺	

Estensione sigla:

L'estensione della sigla integra con accessori opzionali l'allestimento **basic** o **standard**

ID extension code:

The extension of the code integrates with optional accessories the **basic** or **standard** equipment version

...-ES



Le versioni BASIC sono volutamente prive di dispositivi di dosaggio che potranno essere scelti tra i dispositivi opzionali disponibili nella sezione **MODULTEK**
The BASIC versions are deliberately free of dosage devices that can be chosen among the optional devices available in the **MODULTEK** section

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MODULTEK



Technical Data Sheet
Scheda tecnica
Fiche technique
Ficha técnica
Folha de dados técnicos
Technische Datenblatt
Technisch Gegevensblad
Tekniskt datablad
Tehnisko datu lapa
Tehniline andmeleht
Fisa tehnică
Tehnički list
Tehnični list
Karta danych technicznych
Технічний паспорт
技術數據表
テクニカルデータシート

rollwasch.com

Mix-Kem-D & Dos-Kem

Our experience, your results

We operate with experience and the highest standards, to achieve better results.

At Rollwasch® we offer our wide experience and knowledge of surfaces, to support your most advanced projects, to reach a common target.



For your perfect surface finishing, since 1950

The stages of INDUSTRIAL DEVELOPMENT

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1.0
MECHANISED PRODUCTION
Steam engines

2.0
MASS PRODUCTION
Assembly lines and electricity

3.0
AUTOMATION
IT and electronics

4.0
CONNECTIVITY
"Smart" technologies, Cloud computing, Big data, networked machines and processes.

rollwasch has coined the term FINISHING 4.0 to identify its systematic cooperation in the realization of plant modernization according to the concept of the fourth industrial revolution.

Innovation for us means FINISHING 4.0

We constantly invest in R&D, to perfection and improve our performances and technologic level.

At Rollwasch® we offer our wide experience and knowledge of surfaces, to support the most advanced projects, to reach a common target.



For your perfect surface finishing, since 1950

DOS-KEM-4.0-PRO-2,3-EV1

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Example of Industry 4.0 ready Rollwasch® dosing station

For your perfect surface finishing, since 1950

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The RDF range, Rollwasch® Disc Finishing.

Rollwasch has developed a program of modular accessories such as dosing stations, recycling tanks, devices compatible with Industry 4.0, and more, to complete the customized configuration of your machine or RDF system.

Rollwasch and its Modultek modular accessories program can determine the difference in the final configuration of your plant design.



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