



User Guide D&S Portal

Version No.: 1.0

General information

Portal

BASF Forward AM Debinding and Sintering order management portal streamlines the process of turning your Ultrafuse 316L and 17-4PH stainless steel filament parts into full metal. By providing a complete overview of your part's movement throughout the debinding and sintering process, the D&S portal ensures that you always have an up to date and fully transparent understanding of who is handling your parts The integrated calendar allows quick and easy production planning and can be easily integrated into your project's agenda.

Process chain overview

Automatic cost calculation, integrated logistics and preparation planning provide you with full control of resource usage. Online tools and documentation provide process status insights and order progress tracking. Even before logging into the D&S portal, a complete overview of the process chain and procedure are provided In addition to a complete list of all preferred D&S service partners, the integrated calendar provides information on available service times.



Full transparency

With complete documentation of all process details, the BASF Forward AM D&S portal answers the questions you or your organization may have regarding the service, workflow, and status of your orders, all in real time. All service provider address and contact information are provided offering full transparency regarding who comes into contact with your parts.

Notice

For more detailed information on the processing and handling of Ultrafuse metal filaments, please visit <u>www.forward-am.com</u>.

How to use the D&S Portal - Workflow

Calendar Overview

		Sele	ect Region				Select Materia	al					
		E	Inik Systems	GmbH - GE	RMANY	\sim	Ultrafuse®	316L		\sim	·		
			March, 202	2					A	pril, 2022 >			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	01	02	03	04		06					01	02	
07	08 Process st	09 Process st	10	11			04	05 Process st	06 Process st	07	08	09	
14	15	16	17	18	19		11	12	13	14	15	16	17
21	22 Process st	23 Process st	24	25	26	27	18	19 Process st	20 Process st	21	22	23	24
28	29	30	31	01	02	03	25	26	27	28	29	30	

The integrated calendar overview provides available D&S service dates per region.

Portal Use - private

To use the D&S portal and all its amenities setup your personal account with register at the portal. After confirming your mail address and the required account information like shipping address you can start the process.

Sig	in Up X
Full Name	Email Address
Full Name	Email Address
Password	Phone Number
Password	Phone Number
Sign up as Priv	ate O Business
Shipping Address	
Address	City
Address	City
Country	State
Select Country 🗸	State
Zip Code	□ I have read and accept the Terms & conditions
Zip code	
Ich bin kein Roboter. reCAPTCHA Deenschutzerklärung - Nutzungsbedingungen	

Portal Use – Business

To use the D&S portal and all its amenities setup your business account with register at the portal. After confirming your mail address and the required account information like shipping address and company information like VAT ID you can start the process.

Full Name	Email Address
Full Name	Email Address
Password	Company Name
Password	Company Name
Phone Number	Company Industry
Phone Number	Company Industry
Sign up as O F	Private Business
Address	
Address	City
Address	City
Country	State
Select Country	State
Zip Code	
Zip code	
Delivery address	
Address	City
Address	City
Country	State
Select Country	Y State
Zip Code	VATID
Zip code	VAT ID
I have read and accept the Terms & conditions	Ich bin kein Roboter.

Top-up Balance

By buying vouchers from one of our distributors, you can increase your D&S balance (virtual currency) by entering your individual voucher ID.

See ForwardAM Ultrafuse Distributors

We create charmenty			×
Friedrich Engelhorn	10-1	ENTER YOUR VALID VOUCHER CODE	
Email: sales@basf-3dps.com		SUBMIT	
EDIT PROFILE			

Place a D&S order and

Select the Ultrafuse metal filament you want to sinter.



Fill in all the needed information.

My Cart															
Order ID												Order Summa	ary		
	- and a start of the	Ultrafuse® Debinding a	316L and Sintering Servic	e				Save	and leave		Total Weight		4	K	
		Quantity of Pa	arts Total Weight								Part Quantity		4	K.	
	(Pro										KG Deducted	from Balance		1	*
												Select Available Da	&S date		
												Next			
No	Part Description	0	Quantity	Part Weight (g)	0	Thickest Wall (mm)	3	Part Infill (%)	0	Part Siz	e (mm)	Comme	ints (? (·	÷
1]									ł				
Please enter	here if you have any additional	instructions													

The order summary will summarize the given facts automatically.

Please read user guideline for metal printing to make sure the part dimensions are right for debinding and sintering specifications. So please send no parts lager than 100mm*100mm*100mm and do not request D&S of parts with walls thicker than 25mm. Parts larger than 100mm*100mm*100mm are excluded from our service offer without further consultation. Parts with a wall thickness larger than 25mm will suffer from insufficient debinding and will fail during the sintering step.

Detailed instructions per part can be placed in comments if needed.

To increase the planning reliability, select the targeted shipping deadline.

	Elnik	Systems Gmbl	H - GERMANY					
			<	April, 2022	>			
CW		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	3		29		31	01		
1	4	04	05	06	07	08		1
1	5	11	12	13	14	15	16	1
1	6	18	19	20	21	22	23	2
1	7	25	26	27	28	29		

Green part arrival

Green part arrival date is the date the printed objects should arrive to the D&S partner. Parts are usually processed and dispatched from D&S partner within one week after green part arrival date

With the summary of the shipping details which provides you a complete overview about the given details you can check them before you "Book order" to confirm the T&C and further details.

Please print the <u>Customer Order Details</u> and add it to your shipment as a delivery bill. All necessary data for the shipment as well as the assignment of your service order for the service provider are on it and enable the clear assignment of your order.

Now you can check you Order History and see the status of your saved, open and closed orders.

Order History										Sort by Order No V
Un-submitted										
No Order ID	Order Date Mater	ial Name D&	S Partner D&S De	ducted from Balance	Quantity of Parts	Total Weight (g)	Order Status	Package Arrival D	ate Order Complet	on Date Action
				Th	ere is no record found.					
Submitted										
No Order ID	Order Date	Material Name	D&S Partner	D&S Deducted from Balance	Quantity of Parts	Total Weight (g)	Order Status P	ackage Arrival Date	Order Completion Date	Download Order Details
1 OD000277	Mar 02, 2022, 03:13 PM	Ultrafuse® 316L	Elnik Systems GmbH	1	t	980.00	O Submitted		None	Download
Completed										
No Order ID	Order Date Material	Name D&S Pa	tner D&S Deducted	from Balance Quantity	of Parts Total Wei	ght (g) Order S	itatus Package	Arrival Date Orde	r Completion Date D	ownload Order Details
				Th	ere is no record found.					

Within the Order Details the process documentation and the further details are available to provide you an overview about the individual process steps.

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Order II	D : OD000277						Order Su	mmary	
	Ultrafuse Debinding	® 316L and Sintering Servic	e		Order Details	Order Da	ate		Mar 02, 2022, 03:13 PM
	Quantity of	Parts Total Weight				Total We	sight		980.00 Gram
	1	980.00	Gram			Kg Dedu	ucted from Balance		1
-									
No	o Part Description Quantity		Part Weight (g)	Thickness Wall (mm)	Part Infill (%)	Part Size (mm)		Comments
1	Flange DN15	1	980	15	100		(98, 98,44)		
Order S	Status Summary								
	Submitted 🗸 Mar 02, 2022, 03:13 PM	Par Mar	ckage Received 🗸 02, 2022, 03:25 PM	Unboxing	Debinding		Sintering		Shipping
Picture	e Before Debinding Process								~
Proble	ms Identified During Unboxing								\sim

Beside the general overview and the status of your product to have live process tracking, you can have a look into the documentation of the individual process steps, to check the process details of your parts.

Your Customer Console provides you with all needed information due to the whole process.



Beside the option to top-up you balance or to balance your order, you can have a look in you order history, you voucher history, which provides you all information about what voucher was used when for which order, the shipping recommendations and the D&S process report.

BASF 3D Printing Solutions BV