



Electronic assemblies *ferrocontrol*

for window construction machines and machining centers of German manufacturers.

table of contents

Content	Site
table of contents	2
take advantage of our service	3
repair service	4
plug and work	5
supply modules	6
industrial PC	7-8
servo controller	9-10
PLC components	11-12
motors	13-14
remote maintenance	15
Finke at the internet	16
how to find us	17

„Benefit from our years of experience“

Shortest response times for machine downtime

- competent support for fault diagnosis
- All common spare parts are available from stock
- short downtime
- Orders are processed the same day
- Pre-exchange delivery, obsolete RA equipment at a flat rate *
- Delivery "PLUG AND WORK"

* To keep downtime as short as possible, we supply most needed components in advance, at a flat-rate exchange price.
We provide a warranty on both new and refurbished used devices.



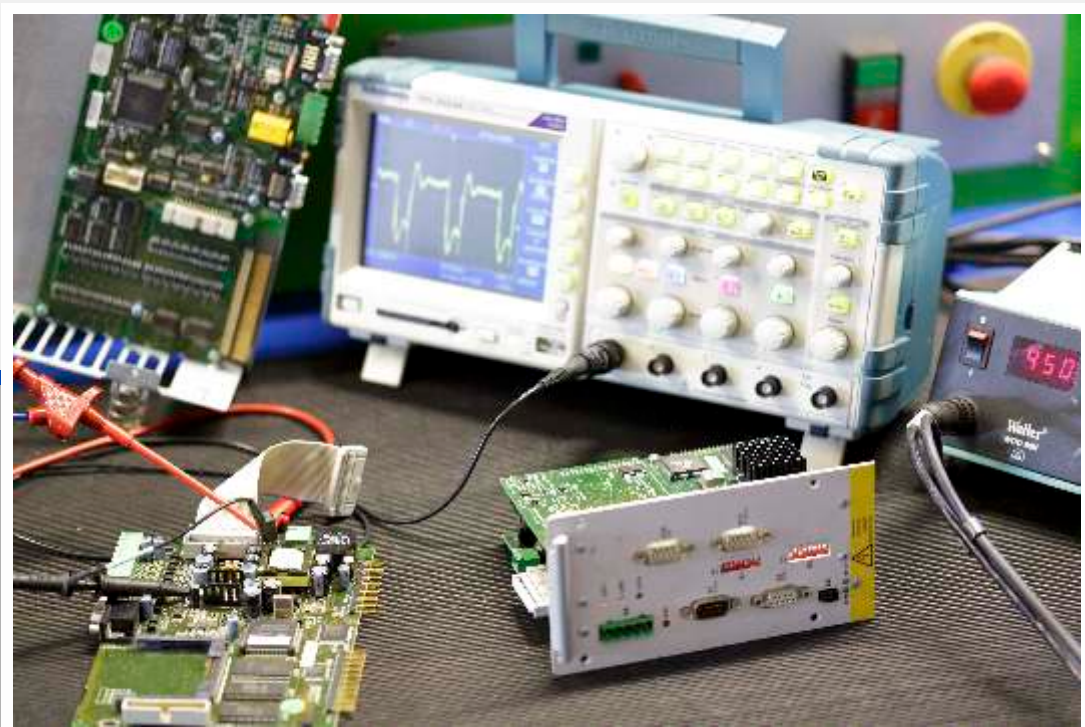
These are your advantages of the Finke repair:

- Repair by qualified personnel
- Use of original spare parts
- Endurance test in the climate chamber and safety check after each repair
- Warranty on repairs
- Machine-specific parameters are retained

Which repair service would you like to use? You have the choice:

Repair your own component or fast repair pre-exchange?

We offer flat-rate exchange prices for a large number of components.
Here you get RA devices in exchange for your defective devices



For the following machines we can preconfigured Components "PLUG and WORK" deliver:

- Elumatec processing centers
SBZ 122, SBZ 130, SBZ 131, SBZ 140, SBZ 150
- Elumatec double mitre saws
DG 104, DG 142, DG 204, DG 244
- Urban 4-head welding machines
AKS 6100, AKS 6105, AKS 6110, AKS 6250, AKS 6405, AKS 6410
AKS 8000, AKS 8005, AKS 8010, AKS 8400, AKS 8405, AKS 8410
- Urban 4-, 6- and 8-head welding machines
AKS 6600, AKS 6605, AKS 6610, AKS 6900, AKS 6905, AKS 6910
- Urban corner cleaning machines
SV 410, SV 410-B, SV 420, SV 430, SV 430-B,
SV 530, SV 530-B, SV 530-C, SV 610, SV 800, SV 815, SV 820, SV 840
- Urban sash assembly Station FBA 2502, FBA 2504
- Haffner machining centers BAZ 470, BAZ 540, BAZ 570
- Actual A4-V
- Rapid double mitre saws DGL 200, DGL 220, DGL 250, DGL 300
- KMW Engineering, MAW Nottmeyer, Josting, Kuper, Lemuth, Siempelkamp, Perforex
others on request



Intelligent control components are equipped with suitable firmware and parameter sets for the respective machine types, so that the components can usually be replaced by the electrician.

supply modules

Supply modules of the DARC-1, DARC-2 and DARC Compact series have specific firmware and parameter sets.

The firmware and version status is indicated by an ID in the Type code specified. In addition, specific parameter sets recorded for the respective machine types.

For replacement orders for defective components, we therefore need the exact indication of the device name and the machine type.

We will then provide you with modules with matching firmware that can be exchanged directly 1: 1 with your defective device and are 100% compatible.



Art. Nr.	Description
377492	supply module DARC V05-10-10
377493	supply module DARC V05-10-00
377494	supply module DARC V05-10-20
377505	supply module DARC II V05-20-05
377506	supply module DARC II V05-20-15
377507	supply module DARC II V05-20-25
377508	supply module Compact VA 04-20-00 CAN. without slot
377509	supply module Compact VA 04-20-10 CAN, with slot
377511	supply module DARC II V15-20-15 CAN (m. Int.)
377512	supply module DARC II V15-20-25 CAN (int. Inc.)
51005050	DARC Compact VA 04-20-00-XX/CAN-BUS DGL2xx
121167700	DARC-supply module V05-10-11 m. Int.
122167701	DARC-supply module V15-20-05 CAN
130167702	DARC-supply module V15-11-10 m. Int.
130167736	DARC-supply module V15-10-20 Inc. + Int.
136167711	DARC-supply module V15-20-15 CAN new design
136167705	DARC-supply module V15-20-10 CAN
650167700	DARC supply module V05-10-00
K008350	E-DARC-C P05 supply module

Industrial PCs



**Rapid
PCE 5000**

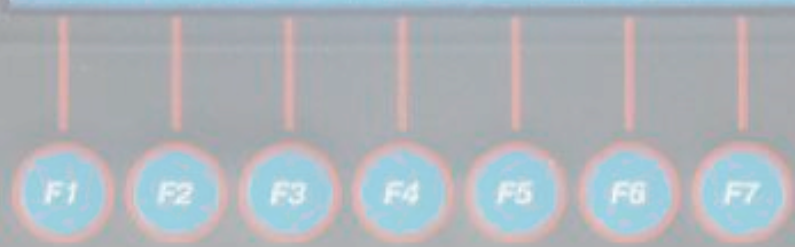


**Elumatec
E 500 A**



**Ferrocontrol
FIPC 8.7**

Art. Nr.	Description
377028	FIPC 3.8, H190, Win NT
377010	FIPC 1.3
377013	FIPC 1.5
377027	FIPC 8.7n-FBI-LX800
377026	FIPC 8.6
377028	FIPC hor., 6.9e,H190
377029	FIPC vert., 6.9e, H190
377050	Fieldbus card FBI-PC-3
377056	Fieldbus card FBI-PC-104
377664	FIPC 9.9
377668	FIPC 9.11e
377669	FIPC 14.15/RTE/XP/without touch
377670	FIPC 14.15/T/RTE/XP/with touch
377673	FIPC 14.10/RTE/XP/without touch
377676	FIPC 14.10/RTE/XP/without touch
377677	FIPC 16.15, T, GM45_SSD_W7 touch
K008603	IPC 1.7n, 1xFBI, 2xCOM
K008604	IPC 3.7n, 1xFBI, 2xCOM
K008605	IPC 3.7n, 2xFBI, 4xCOM
K008610	FIPC 5.9n, RTWin
K008611	FIPC 6.9n, RTWin
K008612	FIPC 9.9n, RTWin_W2K
104168000T	Industrial-PC FIPC 4.3CF
104168003T	Industrial-PC FIPC 3.4TR
104168005T	Industrial-PC FIPC 3.5TR



We hold all common industrial PCs, even in different hardware versions, in stock.

Especially with systems with Microsoft Windows, it can cause significant problems come with changed computer hardware and "old" original backup.

If necessary, we will deliver you finished computers in a very short time.

For this, devices with 100% compatible hardware are used to make sure that your data is fully preserved.

Art. Nr.	Description
51094028	Control panel PCE 5000 ferro Rapid DGL
51005095	FIPC 8.7n CAN Rapid PCE 5000 AT
104168006	Industrial-PC FIPC 10.7 E550
104168007	Industrial-PC FIPC 3.8TRA
104168009	Industrial-PC FIPC 3.7e FBI-card
104168010	Industrial-PC FIPC 10.8 E550
104168011	Industrial-PC FIPC 11.7 Box
122168000	Industrial-PC FIPC 10.7 E550 SBZ121/122
122168002	Industrial-PC FIPC 7.12
122168003	Industrial-PC FIPC 10.8 SBZ122
122168004	Industrial-PC 11.3S
122168009	Industrial-PC FIPC 11.14/RTE-CAN
122168010	Industrial-PC FIPC 11.14 BOX
104167735	Fieldbus - Interface for PC FBI-PC-3
104167774	Fieldbus - Interface for PC FBI-PC
104165026	Power supply FIPC 1.5-3.5 1,8-3,8
104167718	Fieldbus - Interface for PC FBI-PC-2
140167714	CAN-card PC104 (H190)
140168000	Industrial-PC FIPC 12.10 Box
140168001	Industrial-PC FIPC 12.8 H190
140168002	Industrial-PC FIPC 12.11 H190
140168004	Industrial-PC FIPC 12.11 CAN



**Elumatec
E 550**



**Ferrocontrol
FIPC 14.10**



**Ferrocontrol
FIPC 14.15**

servo controller



Art. Nr.	Description
136167710	DARC-controller A35-15, without plug-in card
136167712	DARC-controller A18-15, without plug-in card
136167713	DARC-controller A04-05, without slot
136167717	DARC-controller A09-15, inkl. DE-E-STA-5
136167718	DARC-controller A18-15, inkl. DE-E-STA-5
136167719	DARC-controller A35-15, inkl. DE-E-STA-5
136167724	DARC-controller A04-15, inkl. DE-E-STA-5
136167702	DARC-controller A04-00
136167704	DARC-controller A18-10
650167701	DARC-controller S06-30-xx
104167519	Controller Rack RT-3-04S
104167704	DC-Servo driver card 04S
104167727	DC-controller SVRT-50(IxR controller)
104167715	DC-Servo driver card SVRS-50
130167700	DC-Servo driver card 01S
130167731	DC-Servo driver TRL 150/15F
130167701	AC-Servo driver 60 WKS(22 Amp)
130167739	DARC-controller A09-15 incl. DE-SIR-5
130167741	DARC-controller R18-35 incl. DE-SIR-5
122167703	DARC 2 plug-in card DE-SIR-5 safety
136167716	DARC 2 plug-in card DE-STA-5
122167702	DARC-controller A04-15
122167706	DARC-controller A04-15 with DE-SIR-5
122167707	DARC-controller A18-15 with DE-SIR-5
130167706	Servocontroller DARC-S02-00
130167730	Servocontroller DARC-S04-00
130167707	Servocontroller DARC-S06-20 with Increment input
130167708	Servocontroller DARC-S09-00
150167700	Servocontroller DARC-S12-00
130167709	Servocontroller DARC-S18-00



All servo drives of the series DARC-1 and DARC-2 have a specific identifier in the type code.

The last two digits describe the firmware and version status of the device.

For replacement orders, we require the exact specification of the device name and the machine type.

We then deliver devices with matching firmware directly with your 1: 1 defective device can be replaced and are 100% compatible.

Art. Nr.	Description
K008355	Servocontroller E-DARC C04
K008356	Servocontroller E-DARC C08
K008358	CAN-Bus plug-in card E-DARC
K008359	Resolver plug-in card E-DARC
377471	Servocontroller DARC-S02-20
377472	Servocontroller DARC-S04-00
377473	Servocontroller DARC-S02-20 with INC-Interface
377474	Servocontroller DARC-S06-00
377475	Servocontroller DARC-S04-20 with INC-Interface
377476	Servocontroller DARC S06-20 with INC-Interface
377477	Servocontroller DARC S04-30 with SSI-Interface
377481	Servocontroller DARC S09-20 with INC-Interface
377482	Servocontroller DARC S09-00
377521	Servomodul DARC-II A04-15-with slot
377523	Servomodul DARC-II A09-15-with slot
377524	Servomodul DARC-II A18-15-with slot
377527	Servomodul DARC-II R04-35/38
377528	Servomodul DARC-II R09-35/38
377540	DARC 2 plug-in card DE-STA-5
377541	DARC 2 plug-in card DE-INC-5
377470	AC-Servo driver card 60 WKS (22AMP)
377450	DC-Servo driver Hauser SVC266 1kW
377451	DC-Servo driver 01S for MT 30 F4-25
377452	DC-Servo driver 01S for MT 30 M4-35
377453	DC-Servo driver 01S for MT 30 H4-75
377454	DC-Servo driver 1kW typ 015/8A for MT 30 R4-48 Ferrocontrol
377455	DC-Servo driver 01S 8A for MT 30 Z4-61 AKS 1400 B+R
377456	DC-Servo driver 01S 8A for MT 30 Z4-85 AKS 1400-Ferro
377458	DC-Servo driver SVC100



PLC components



Art. Nr.	Description
136167707	MAG 2 businterface CANGATE64
136167708	MAG 2 input module DIGIN2416 16IN 24VDC
136167709	MAG 2 output module DIGOUT2416F216x24VDC/0,5A
136167715	MAG 2 analog input module 4kanMAG2-ANIN4
104167527	Controller Rack SVR-5 6HE 1/2 19 (max. 5 x SVRS/SVRR contr.)
104167526	Controller card Rack MAG 6-SVR-2
104167515	Controller card Rack MAG 10 (incl. power supply and fan)
104167775	Fieldbus - analog- input module FB-ANI (4 channels)
104167719	Fieldbus - node FBK3 without EMI filter
104167720	Fieldbus - motion controller FBUR 3 servo-axes
104167721	Fieldbus - input module IN 16 FB-IN16
104167722	Fieldbus - output module OUT 16 FB-OUT16
104167723	Fieldbus - SAE-interface FB-SAE3 (3 channels)
104167724	Fieldbus - analog output module FB-ANO (3 Kchannels)
104167726	Fieldbus - input-output module 8/8 FB-INOUT
104167728	Fieldbus - motion controller FBSR 6 servo-axes
104167730	Fieldbus - analog-output module FB-ANO1-2 (1 channel)
104167731	Fieldbus - node FBK3-3 with EMI filter
104167701	Output card with 32 outputs
104167702	Input card with 32 inputs
104167703	Organisation computer ORE256kB
104167705	Basic travel computer GFR 1 1 x axes
104167706	V-Int videointerface MAG Monochrom
104167709	Spline computer BKR (par. encoder interface)
104167712	Memory card SPE 256/MAG NVRAM
104167732	Spline computer BKR-2 (ser. encoder interface)
104167716	Basic travel computer GFR 2
104167518	Encoder, absolute ser. 1024x4096, SAE-1020H 1024x4096
104167562	Encoder, absolute ser. 1024x64 SAE 1020H
104167563	Encoder, absolute ser. AG661 C45 replacment for SAE 1020
104167574	Encoder, absolute SSI 4096x4096 GM400.Z18
130167725	Fieldbus interpolation computer (FBIR)



PLC components

Ferrocontrol bus couplers and PLC components are partly over Machine-specific EPROM special versions.

For replacement orders for defective components, we deliver the original ones Software version to eliminate compatibility issues.

Art. Nr.	Description
377111	MAG 10 Rack, incl. power supply
377112	MAG 21 Rack, incl. power supply
377122	Fieldbus node FBK 3-2/3 with EMI filter
377136	Fieldbus motion controller FBUR
377151	Fieldbus input module IN 16 Abus
377154	Fieldbus output module FB-OUT 16 - 1582 ABUS
377157	Fieldbus input output module IOT 8
377158	Fieldbus input output module FB IN-OUT IOT8-2;sep. 24V Version
377138	Fieldbus temperature controller FBTRG
377120	Organisation computer 256 KB
377121	Organisation computer 512 KB
377140	Memory expansion SP 256 for MAG
377131	Spline computer BKR-S
377135	Ground travel computer GFR 1, 1 x axes
377150	Input card IN 32 (32 inputs, optodecoupled)
377153	Output card OUT 32 (32 Ausgänge, 1,5A, short circuit protection)
377156	Input-output card (16 in 16 out 1,5A, short circuit protection)
377161	Input-output module 2488 FX external supply
377113	MAG 2 Rack MOUNT 4
377114	MAG 2 Rack MOUNT 6
377115	MAG 2 Rack MOUNT 10
377117	MAG 2 Rack MOUNT 12
377119	MAG 2 Rack MOUNT 14
377124	MAG 2 CANGATE 64
377152	MAG 2 DIGIN 2416 (16 IN_24VDC)
377155	MAG 2 DIGOUT 2416 (16OUT_24VDC/0,5A)
377159	MAG 2 DIGIO 2488 F2 DIG.IN-8 DIG.Out
377165	MAG 2 ANIN 4 analog input module
377166	MAG 2 ANOUT 4 analog output module



Art. Nr.	Description
377375	AC-Servomotor FMD028-D8-60 SNK-00 with keyway
377376	AC-Servomotor FMD036-E8-60 MNN multitem
377379	AC-Servomotor FMD056-01-60 SNK
377380	AC-Servomotor FMD056-03-60 SNK
377381	AC-Servomotor FMD063-06-60 SBK
377382	AC-Servomotor FMD063-04-60 SNK
377383	AC-Servomotor FMD063-04-60 SBK
377412	AC-Servomotor FMR056-01-60-RNK
377413	AC-Servomotor FMR056-01-60-RBK
377414	AC-Servomotor FMR056-03-30-RBK
377415	AC-Servomotor FMR063-04-30-RNK
377416	AC-Servomotor FMR063-04-30-RBK
377417	AC-Servomotor FMR063-04-60-RNK
377418	AC-Servomotor FMR036-D6-60-RNK
377419	AC-Servomotor FMR036-E2-60-RNK
377420	AC-Servomotor FMR056-03-45-RNK
377421	AC-Servomotor FMR056-03-45-RBK
377422	AC-Servomotor FMR056-03-30-RNK
377423	AC-Servomotor FMR056-05-60-RBK
377423-2	AC-Servomotor FMR056-04-60 RBK
377424	AC-Servomotor FMR028-D8-60-RNK
377426	AC-Servomotor FMR063-04-60-RBK
377445	AC-Servomotor FMR063-06-45-RBK
377446	AC-Servomotor FMR036-E8-60-RNK
377447	AC-Servomotor FMR056-03-60-RNK
377408	Tacho coils for Servomotor MT30 Ferrocontrol
377409	Anchor coils for Servomotor MT30 Ferrocontrol
377400	DC-Servomotor MT 30 F4-25
377401	DC-Servomotor MT 30 M4-35
377403	DC-Servomotor MT 30 R4-58
377404	DC-Servomotor MT 30 Z4-61 AKS 1400 B+R
377406	DC-Servomotor MT 30 M4-35 with brake
377407	DC-Servomotor MT 30 H4-22

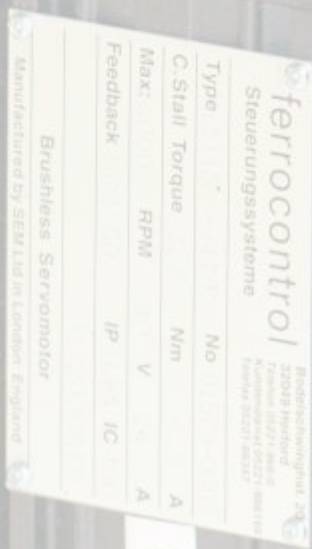


All ferrocontrol AC and DC servomotors are optional with mechanical 24V brake available.

For types FMR / FMD the option "brake" is encrypted in the identification plate.

For AC types HD and DC types MT30 the option "brake" is not in the Type designation encrypted.
Here it must be explicitly stated whether a brake is required.

Art. Nr.	Description
136162101	AC-Servomotor FMD063-04-60-SBN 3Nm-6000
136162102	AC-Servomotor FMD063-06-60-SBN 4Nm-6000
121162101	AC-Servomotor FMR036-E8-60-RBK 1,5Nm
130162102	AC-Servomotor HDG092G4-130 brake 5Nm
130162103	AC-Servomotor HD115C6-88S brake 5Nm
130162104	AC-Servomotor HD142C6-64 brake 18Nm
130162110	AC-Servomotor HD115A6-130 brake 5Nm
130162111	AC-Servomotor HD115B6-130 brake 5Nm
130162113	AC-Servomotor FMR063-04-30-RBK 4Nm
130162114	AC-Servomotor FMR063-06-30-RBK-01 6Nm
130162115	AC-Servomotor FMR063-06-60-RBN 6Nm
130162116	AC-Servomotor FMR071-12-60-RBK 12Nm
130162117	AC-Servomotor FMR056-03-30-RBK-01
130162120	AC-Servomotor FMR063-06-45-RBK 5,2Nm
130162121	AC-Servomotor FMR071-12-60-RBK-20
130162122	AC-Servomotor FMD063-06-60-MNN-01 with abs. encoder
130162123	AC-Servomotor FMD063-06-60-MBN-01 with abs. encoder
104162100	DC-Servomotor MT30H4-22 without brake
130162105	DC-Servomotor MT30M4-35 without brake
130162107	DC-Servomotor MT30M4-35 with brake
130121500	Spare coils for MT30...Motors
610162114	AC-Servomotor HD115C6-88S/R
650162101	AC-Servomotor FMR056-01-60-RBK 1,3Nm with brake
650162103	AC-Servomotor FMR063-10-60-RBK 9,2Nm with brake



remote maintenance

Short reaction times

Extremely short reaction times in case of machine breakdowns are enormously important.

We are at your disposal both with telephone support and remote maintenance, as well as with our field service engineers in Germany and abroad.

Failures on machines of our partner suppliers can be remedied with high urgency 90% within 24 hours (within Germany).

- friendly
- competent
- fast



Finke at the internet

Visit us at

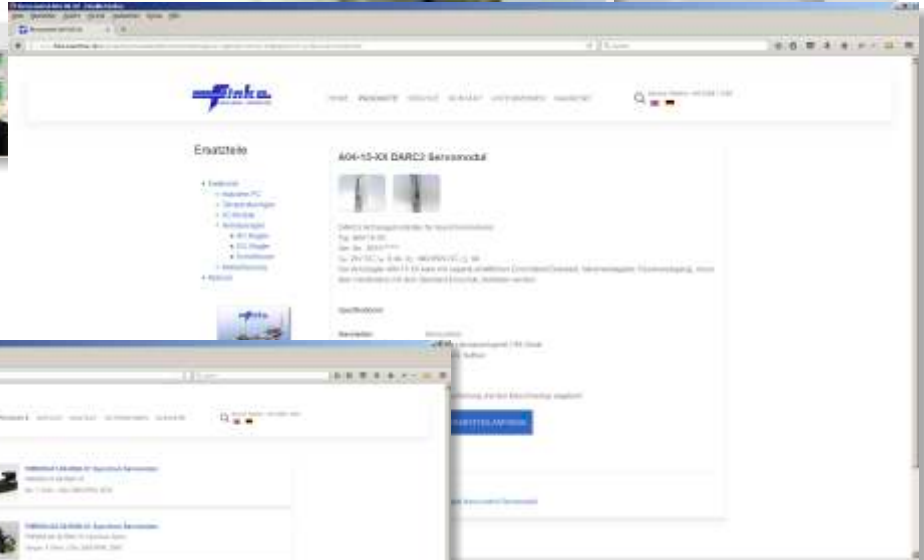
www.finke-maschinen.de

Here you will find our product range of machines in window construction.

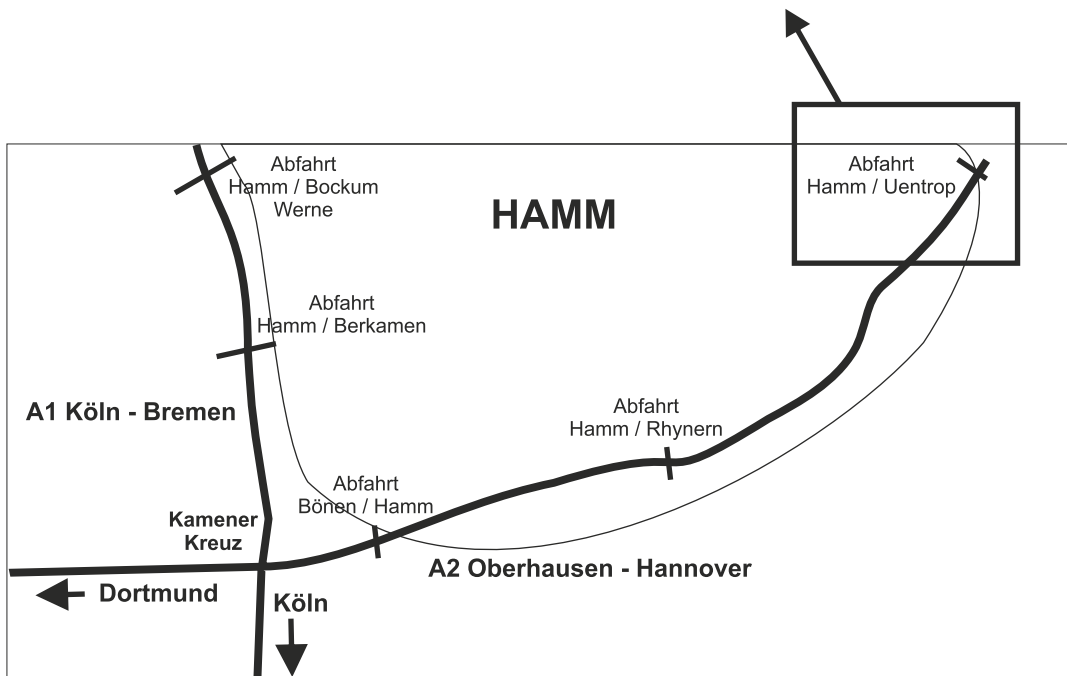
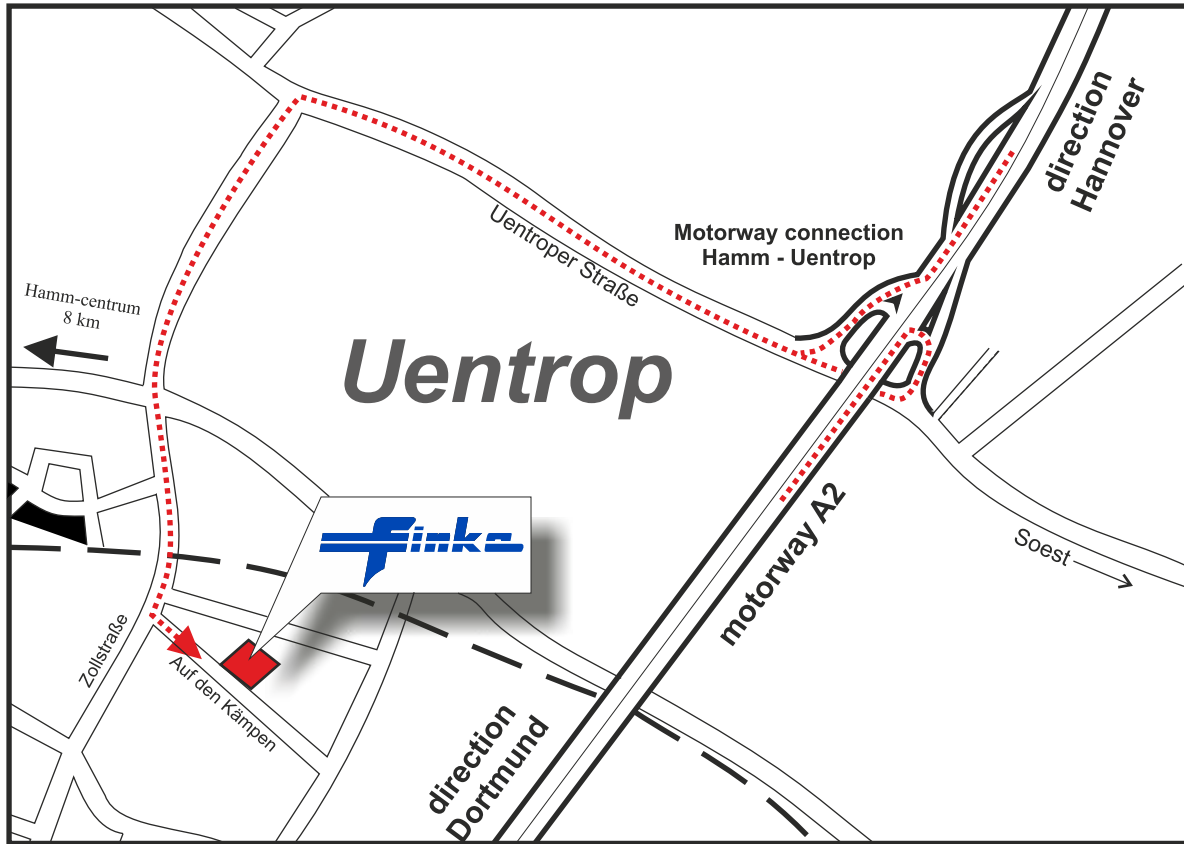
- New Machines
- Used machines
- Spare parts and accessories



Finke at the internet



how to find us:



how to find us:



**machinery
tools
equipment
spare parts
service**

Your partner for
pvc and aluminum windows