Leica T-Scan 5 PC Installation Manual



Version 1.10 English



- when it has to be **right**

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1 Windows Settings

1.1 Set NVIDIA global Preset

- 1. Right click into an empty area on the Windows desktop to open the context menu. Click on 'NVIDIA Control Panel'.
- 2. In the Task Menu on the left side select 3D-Settings -> 'Manage 3D settings'.
- 3. In the 'Global Settings' tab click on the drop-down box for the 'Global presets'.
- 4. Select '3D App Visual Simulation' and click 'Apply'.
- 5. Close the 'NVIDIA Control Panel'.

e <u>E</u> dit <u>V</u> iew <u>H</u> elp			
🗿 Back 🔻 🕥 🛛 🚮 🛄 Adv.	anced Settings 👻		
ect a Task	Manage 3D Se	ttings	
- 3D Settings 	3	3-	Restore Defaults
Manage 3D settings Set PhysX configuration	You can change the global 3D s time the specified programs are la	ettings and create overrides for specific prog aunched.	grams. The overrides will be used automatically each
Display			
Change resolution Adjust desktop color settings	I would like to use the following 3	3D settings:	
Adjust desktop size and position			
Rotate display	Global Settings Program Settings		
	Global presets:		
Video	3D App - Visual Simulation	•	Restore
Adjust video color settings	Base profile		
·····Adjust video image settings	3D App - Default Global Settings 3D App - Game Development		
	3D App - Modeling AFR		A
	Autodesk Motion Builder		
	Autodesk Mudbox - compatible		-
	Dassault Systemes CATIA - comp	patible	E
	Force 10 bits per component Force preferred render adapter	to secondary	
	Intergraph ISSD	,	
	Presagis Visualization		
	Redway3D		
	Conformant texture damp	Use hardware	
	Enable overlay	Off	
	Error reporting	Off	
	Exported pixel types	Color indexed overlays (8 bp	pp) 🔻
	Description:		
	This listbox contains all of the applicati	on-specific presets. Instead of individually s	setting all of the 3D features on your
System Information			Apply Cancel

1.2 Set Size of Text and other Items

I

- 1. Press the Windows key , enter 'Display' in the control panel and start the application.
- 2. Choose 'Smaller 100% (default)' and confirm with 'Apply'.
- 3. Close the Window.



1.3 Deactivate Windows Aero

E

- 1. Press the Windows key , enter 'Personalization' in the control panel and start the application.
- 2. Select the 'Windows 7-Basic' design.

<u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp				
Control Panel Home Change desktop icons Change mouse pointers Change your account picture	Change the visuals and s Click a theme to change the des Basic and High Contrast Them	ounds on your computer ktop background, window color, sounds, and es (6)	screen saver all at once.	
	Windows 7 Basic	Windows Classic High Contrast #1	High Contrast #2	High Contrast Black
See also Display	High Contrast White	F	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

- 3. Close the dialog window.
- 4. Aero has been deactivated successfully if the switching of dialogs by key combination <Windows> + < TAB> is disabled.

1.4 Change Display Options of Files and Folders

I

- 1. Press the Windows key , enter 'Folder Options' in the control panel and start the application.
- 2. Switch to the 'View' tab.
- 3. Make sure to check 'Show hidden files, folder and drives' below item 'Hidden files and folders'.
- 4. Make sure to uncheck 'Hide extensions for known file types' in the 'Advanced settings' list.

	w Search	
Folder vie	You can apply the view (such as Details or Icons) you are using for this folder to all folders of this typ Apply to Folders) that e.
Advanced : Advanced : Distanced : Distanced : Distanced : Distanced : Distanced : Advanced : Distanced :	settings: ways show menus splay file icon on thumbnails snlay file size information in folder tins	^
	splay the full path in the title bar (Classic theme only) dden files and folders) Dont show hidden files, folders, or drives) Show hidden files, folders, and drives de empty drives in the Computer folder	III
E Hi	de extensions for known file types de protected operating system files (Recommended) uunch folder windows in a separate process operating period and the files (Recommended)	
E La	estore previous folder windows at logon	



1.5 Deactivate Sleep After and Energy saving Modes

I

- 1. Press the Windows key , enter 'Power options' in the control panel and start the application.
- 2. Enlarge the option 'Sleep' and modify the following items:
 - 'Sleep after' \rightarrow

On battery: Never (0 min)

Plugged in: Never (0 min)

- 'Hibernate after' \rightarrow

On battery: Never (0 min)

Plugged in: Never (0 min)

dvanced settings	
Select the power plan that you wa and then choose settings that refle your computer to manage power.	nt to customize, ect how you want wailable
Dell [Active]	
Wireless Adapter Settings	
🖃 Sleep	
Sleep after	
On battery: Never	
Plugged in: Never	=
Allow hybrid sleep	
Hibernate after	
On battery: Never	
Allow wake timers	
IISR settings	-
Restore	e plan defaults

3. Close the dialog by pressing "OK".

1.6 Deactivate Energy saving Mode of Network Adapters

I

- 1. Press the Windows key , enter 'Device Manager' in the control panel and start the application.
- 2. Enlarge the option 'Network adapters'.
- 3. Right click on the network adapter (e.g. 'Intel(R) 82579'), to which the scanner controller is connected and click on 'Properties'.
- 4. If an error message occurs, confirm by pressing 'OK'.
- 5. Switch to the 'Power Management' tab and deactivate the energy saving mode. The following instructions apply to specific Ethernet cards. If you are using a different card, you may have to check the manual of the Ethernet card on how to deactivate the energy saving mode.

Modify settings depending on your card e.g.:

'Allow the computer to turn of this device to save power' -> remove check mark

or

- 'Reduce link speed during standby' -> remove check mark

Example for Realtek RTL8168C(P)/8111C(P) PCI-E Gigabit Ethernet NIC



Example for Intel® Gigabit CT Desktop Family Adapter



Example of power management settings. Your settings might be different, depending on the Ethernet card you are using.

1.7 Setting the IP Address

I

- 1. Press the Windows key , enter 'View network connections' in the control panel and start the application.
- 2. Right click on the network adapter of the scanner controller and choose 'Properties'.
- 3. Select Internet Protocol Version 4 (TCP/IPv4) and click the 'Properties' button.

Vetworking	Sharing		
Connect usi	ng:		
🔮 Intel(I	R) Gigabit CT Deskto	op Adapter #2	
This connec	tion uses the followi	ng items:	Configure
Clie	ent for Microsoft Net	works	
	S Packet Scheduler		2 G.
E Brie	and Printer Sharing	for Microsoft Ne	etworks
V A Inte	emet Protocol Versio	n 6 (TCP/IPv6)	
Interview Interview	ernet Protocol Versio ernet Protocol Versio	n 6 (TCP/IPv6) n 4 (TCP/IPv4)	
	ernet Protocol Versio ernet Protocol Versio k-Layer Topology Di	n 6 (TCP/IPv6) n 4 (TCP/IPv4) scovery Mappe	r I/O Driver
 ✓ ▲ Inte ✓ ▲ Inte ✓ ▲ Line ✓ ▲ Line ✓ ▲ Line 	ernet Protocol Versio ernet Protocol Versio k-Layer Topology Di k-Layer Topology Di	n 6 (TCP/IPv6) n 4 (TCP/IPv4) scovery Mappe scovery Respor	r I/O Driver nder
	emet Protocol Versio emet Protocol Versio k-Layer Topology Di k-Layer Topology Di	n 6 (TCP/IPv6) n 4 (TCP/IPv4) scovery Mappe scovery Respor	r I/O Driver nder
	ernet Protocol Versio ernet Protocol Versio k-Layer Topology Di k-Layer Topology Di	n 6 (TCP/IPv6) n 4 (TCP/IPv4) scovery Mappe scovery Respor	r I/O Driver nder P <u>r</u> operties
A Intervence of the second secon	emet Protocol Versio emet Protocol Versio k-Layer Topology Di k-Layer Topology Di unitary Topology Di unit	n 6 (TCP/IPv6) n 4 (TCP/IPv4) scovery Mappel scovery Respon- install /Internet Protoc tat provides com d networks.	r I/O Driver nder P <u>roperties</u> rol. The default imunication

- 1. If an IP address is already present, write it down in order not to lose it. Also note the subnet mask.
- 2. Change the IP address to 10.168.2.201 as shown in the image below.
- 3. Change the subnet mask to 255.255.255.0

You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator
Obtain an IP address autom	atically
• Use the following IP address	5
IP address:	10 . 168 . 2 . 201
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	a a a
Obtain DNS server address	automatically
O Use the following DNS serve	er addresses:
Preferred DNS server:	
<u>A</u> lternate DNS server:	е »+ ч
🔲 Vaļidate settings upon exit	Advanced

4. Press the 'Advanced...' button and make sure only the IP address just added is in the list. In case more entries are listed, write them down if they should be conserved. Afterwards delete them by selecting the IP address and pressing 'Remove'.

Settings DNS WINS	
IP add <u>r</u> esses	
IP address	Subnet mask
10.168.2.201	255.255.255.0
Ē	dd <u>E</u> dit Remo <u>v</u> e
Default gateways:	udd ⊑dit Remo <u>v</u> e

5. Close the dialog by pressing the button 'OK' twice.

2 TwinCAT 3 ADS Router

2.1 Installation of TwinCAT 3 ADS Router

- 1. In Windows Explorer open the directory path where the installation file "TC3x-ADS-Setup.3.x.xxxx.x.exe" is located (e.g. Product USB Stick).
- 2. To run the setup, right-click the installation file and choose the option "Run as administrator".

	TC3x-ADS-Setup.3, x.xxxx TwinCAT3.1 ADS Setup	.x .exe	2				
	Becknoff Automation		Öffn	en		Open	
		0	Als A	dministrate	۲	Run as administrat	or
			Beha	ndeln von l	200	PDF24	
3.	Confirm the security ad	visc	ory v	vith "yes	s".		
3.	Confirm the security ad	visc	ory v	vith "yes	s".	~	



4. Click on "Next >".



5. Accept the terms in the license agreement by selecting the radio button. Afterwards click on "Next >".



6. Keep the radio-button "Complete" activated and click on "Next >".



7. Click on "Install".

🕼 TwinCAT 3 - Version 3.1.4024.11 - Setup	×
Ready to Install the Program The wizard is ready to begin installation. BECK	HOFF
Click Install to begin the installation.	
If you want to review or change any of your installation settings, dick Back. Cli exit the wizard.	ck Cancel to
InstallShield	
< Back Install	Cancel

8. On the following security advisory click on "Install". This message repeats three times. Activate the checkbox "Always trust software from Beckhoff Automation GmbH" to agree with all following security advisories.



9. Click on "Finish".

🔀 TwinCAT 3 - Version 3.1.40	24.11 - Setup	×
	InstallShield Wizard Completed	
	The InstallShield Wizard has successfully installed Beckhoff TwinCAT 3.1 (Build 4024). Click Finish to exit the wizard.	
BECKHOFF	Show the Windows Installer log	
	< Badk Finish Cancel	

10. Confirm the reboot by clicking "Yes".

🚼 Beckh	off TwinCAT 3.1 (Build	4024) Installer Information	\times
i	You must restart your s changes made to Beck take effect. Click Yes to to restart later.	system for the configuration hoff TwinCAT 3.1 (Build 4024) to o restart now or No if you plan	
	Yes	No	

2.2 Change the local AMS Net ID

1. Move the cursor to the TwinCAT Icon in the notification area of the task bar and press the left mouse button. Choose the "Router" menu and the "Change AMS NetId" item.



- 2. Under "Local Computer" -> "AMS Net Id" enter value "10.168.2.201.1.1".
- 3. Confirm the new AMS Net ID by pressing "OK".

AMS Router		
- Local Computer-		
AMS Net Id:	10.168.2.201.1.1	
01		
UK		Cancel

4. Confirm to restart the computer by pressing "Yes".

TwinCAT	System	×
?	The local AMS Net Id is going to be changed. For proper operation of the TwinCAT System, Windows must be restarted. Restart now	
	Yes No Cancel	

5. After restart move the cursor to the TwinCAT Icon in the notification area of the task bar. Press the left mouse button and choose the menu item "About TwinCAT"



6. Check whether the new AMS Net Id equals "10.168.2.201.1.1"

About Twin	CAT System				
	TwinCAT System Serv	vice v3.1.0.2428			OK
E.	TwinCAT	v3.1.4024.11			
	Copyright BECKHOFF	Automation © 1996-2019	AMS Net Id:	10.168.2.201.1	.1
	Logon User:		HW Platform:	other (90)	
	User Group:		System Id:		
	Self Signed Cerl	tificate - Fingerprint:			
	Order No	<u>∧</u> License	Instand	:es	Status

7. Close the window with "OK"

2.3 Set up a Route for the Scanner Controller

- 1. Make sure that just one fixed IP address is configured for the network adapter of the scanner controller (see 'Setting the IP Address'). If more than one IP address is registered the broadcast search might fail.
- 2. Use a LAN cable to connect the LAN interface of the scanner controller with the respective PC LAN interface.
- 3. Switch on the controller and wait for at least two minutes until the controller has booted.
- 4. Left-Click the TwinCAT symbol 4 in the taskbar.
- 5. Choose the option "Router" "Edit Routes".



6. In the window "TwinCAT Static Routes" click on the "Add..." button.

🖁 TwinCAT Sta	atic Routes					×
Route		Connected	AmsNetId	Address	Ту	pe C
4						>
Add	Remove					Refresh

7. Start a search for the system destination by clicking the "Broadcast Search"-button or enter the IP-address of the Controller, e.g. "10.168.2.200", into the "Enter Host Name / IP:" field.

Enter host wante / IP.			Ref	resh Status	Broadcast Sea	arch
Host Name	Connected	Address	AMS NetId	TwinCAT	OS Version	Finç '
<	-		12.2	1	1111	>
Poute Name (Target):			Poute N	ame (Remote):		
Route Name (Target):			Route N	ame (Remote):	Remote Pourte	
Route Name (Target): AmsNetId:			Route N Target I	ame (Remote): Route ect	Remote Route	er
Route Name (Target): AmsNetId: /irtual AmsNetId (NAT):			Route N Target f O Proj © Stat	ame (Remote): Route ect iic	Remote Route O None / Server O Static	er
Route Name (Target): AmsNetId: /irtual AmsNetId (NAT): /ransport Type:	TCP_IP	~	Route N Target f Proj Stat	ame (Remote): Route ect ic porary	Remote Route None / Serve Static Temporary	er
Route Name (Target): AmsNetId: /irtual AmsNetId (NAT): /ransport Type: Address Info:	TCP_IP	~	Route N Target f Proj Stat	ame (Remote): Route ect tic Iporary	Remote Route None / Serve Static Temporary	2r
Route Name (Target): AmsNetId: /irtual AmsNetId (NAT): Iransport Type: Address Info: O Host Name ① IP Ad	TCP_IP	~	Route N Target i Proj Stal Tem	ame (Remote): Route ect ic iporary iced Settings	Remote Route None / Serve Static Temporary	2r
Route Name (Target): AmsNetId: /irtual AmsNetId (NAT): /irtual AmsNetId (NAT):	TCP_IP Idress	✓	Route N Target I Proj Stal Terr Advar	ame (Remote): Route ect iic iporary iced Settings	Remote Route None / Serve Static Temporary Unidirectional	2r

- 8. After some time one or more host names should appear. Select the controller that you wish to configure. Make sure the AMSNetID corresponds with the selected controller.
- Check the "Advanced Settings" options check box. If this checkbox is not available, please make sure you have the latest version of TwinCAT ADS 3.1 (version >= 3.1.4024.11).
- 10. Uncheck the checkbox "Unidirectional"
- 11. Choose "Target Route" "Static".
- 12. Choose "Remote Route" "Static".
- 13. Choose "Address Info" "IP Address".
- 14. The input "Route Name (Target)" and "Route Name (Remote)" are not supposed to be empty. If these fields are not filled automatically, enter an arbitrary name (e.g. "OPT-Route").
- 15. Click on "Add Route".

dd Route Dia	alog							
Enter Host N	Name / IP:	10.168.2.200	1		Refresh Status	5	Broadcast Search	1
Host Name	Connected	Address	AMS NetId	TwinCAT	OS Version	Fingerpr	rint	
CP-2926DC	x	10.168.2.200	10.168.2.200.1.1	3.1.4020	Windows 8			
		sii	nce Contro	oller re	v. 2.0			
			10 110	200.4	4			
			10.168	.200.1.	1			
			10.168	.200.1.	1			
			10.168	.200.1.	1			
Route Name (1	Farget):	CP-2926DC	10.168	. 200. 1 . Rout	te Name (Remo	ite): [
Route Name (1 AmsNetId:	Farget):	CP-2926DC	10.168	Rout	te Name (Remo get Route	ite): [Remote Route	
Route Name (T AmsNetId: /irtual AmsNet	Target): Id (NAT):	CP-2926DC 10.168.2.200	0.1.1	Rout	te Name (Remo get Route Project	ite): [Remote Route O None / Server	
Route Name (1 AmsNetId: /irtual AmsNet	Farget): Id (NAT): e:	CP-2926DC 10.168.2.200	10.168	Rout	te Name (Remo get Route Project Static	ite): [Remote Route None / Server Static	
Route Name (T AmsNetId: /irtual AmsNet Transport Type	Farget): Id (NAT): e:	CP-2926DC 10.168.2.200 TCP_IP	10.168	Rout	te Name (Remo get Route Project Static	te): [Remote Route O None / Server Static O comporary	
Route Name (1 AmsNetId: /irtual AmsNet Iransport Type Address Info:	Target): Id (NAT): e:	CP-2926DC 10.168.2.200 TCP_IP 10.168.2.200	10.168	Rout	te Name (Remo get Route Project Static	te): [Remote Route None / Server Static Static	
Route Name (1 AmsNetId: /irtual AmsNet Iransport Type Address Info: O Host Nam	Target): Id (NAT): e: ne	CP-2926DC 10.168.2.200 TCP_IP 10.168.2.200 ddress	10.168	Rout - Rout - Targ - O - O - O - Ac	te Name (Remo get Route Project Static Imporary dvanced Setting	te): [Remote Route None / Server Static Static Unidirectional	
Route Name (1 AmsNetId: /irtual AmsNet fransport Type Address Info: O Host Nam Connection Tim	Target): EId (NAT): e: ne	CP-2926DC 10.168.2.200 TCP_IP 10.168.2.200 ddress 5	10.168	Rout Targ © © Q Ac	te Name (Remo get Route Project Static , omporary dvanced Setting	gs [Remote Route None / Server Static Momporary Unidirectional	

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16. Enter Logon Information:



a. In case of a scanner controller **Rev. 2.0 or higher** enter the username "Administrator" and the password "1". Uncheck the checkbox "TwinCAT 2.x Password Format" and make sure the "Secure ADS" checkbox remains unchecked.

Add Remote Route				×
Secure ADS (Twin Remote User Credentials	CAT 3.1 >= 4024)			
User:	Administrator	Password:	•	
			TwinCAT 2.x Password Format	
			Okay Cancel	

b. In case of a scanner controller **Rev. 1.x**. leave the username and password fields empty. Check the checkbox "TwinCAT 2.x Password Format" and make sure the "Secure ADS" checkbox remains unchecked.

Add Remote Route		×
Secure ADS (TwinCAT 3.1 >= 4024) Remote User Credentials User:	Password:	TwinCAT 2.x Password Format
		Okay Cancel

17. Confirm with "OK".

18. Check if the connection is configured correctly. For the selected controller a cross should have appeared in the column "Connected". Close the window with the "Close" button.

Add Route Dialog							\times
Enter Host Name / If	2: 10.168.2.200	þ		Refresh Status	;	Broadcast Search	
Host Name Conne	cted Address	AMS NetId	TwinCAT	OS Version	Fingerprint	:	
CP-2926DC x	10.168.2.200	10.168.2.200.1.1	3.1.4020	Windows 8			
Route Name (Target):	CP-2926DC		Rou	te Name <mark>(</mark> Remo	te):		
AmsNetId:	10.168.2.200	0.1.1	Tar	get Route	R	emote Route	
Virtual AmsNetId (NAT)	:		0	Project	(None / Server	
Transport Type:	TCP_IP	~	0	Static Temporary	(● Static ○ Temporary	
Address Info:	10.168.2.200)					
🔾 Host Name 🛛 🤅	IP Address		🗹 Ac	dvanced Setting	js 🗌	Unidirectional	
Connection Timeout (s)	: 5	•					
Max Fragment Size (kB	yte): 0	•		Add Route		Close	

19. Close the Window "TwinCAT Static Routes".

3 Setting the Lasertracker's IP Address



1. Press the Windows key , enter 'View network connections' in the control panel and start the application.

- 2. Right click on the network interface card of the scanner controller and select 'Properties'.
- 3. Select 'Internet Protocol Version 4 (TCP/IPv4)' and click 'Properties'.

	9	
Connect using:		
Intel(R) Giga	abit CT Desktop Adapter #.	2
		Configure
This connection us	ses the following items:	
Client for	Microsoft Networks	
🗹 🚚 QoS Pack	ket Scheduler	
🗹 📙 File and F	Printer Sharing for Microsoft	Networks
🗹 🛶 Internet P	rotocol Version 6 (TCP/IP)	/6)
🗹 📥 Internet P	rotocol Version 4 (TCP/IP)	(4)
a trata	r Topology Discovery Map	per I/O Driver
🗹 🛥 Link-Laye	and the second se	
 ✓ ▲ Link-Laye ✓ ▲ Link-Laye 	r Topology Discovery Res	ponder
 ✓ ▲ Link-Laye ✓ ▲ Link-Laye 	r Topology Discovery Res	ponder
Ink-Laye	r Topology Discovery Res	ponder P <u>r</u> operties
Link-Laye	r Topology Discovery Resp	ponder
Link-Laye Link-Laye	r Topology Discovery Resp Uninstall Introl Protocol/Internet Protocol/Internet Protocol that provides or therronmeter detworks	ponder <u>Properties</u> tocol. The default sommunication
Link-Laye Link-Laye Link-Laye Loscription Transmission Co wide area networ across diverse in	r Topology Discovery Resp Uninstall Introl Protocol/Internet Provides of referenced networks.	ponder <u>Properties</u> tocol. The default communication

4. Click 'Advanced...'.

	10	•	168	4	2	•	201	
S <u>u</u> bnet mask:	255	•	255	. 2	55	•	0	
Default gateway:		e	2			•		
Obtain DNS server address au	tomaticall	y						
Use the following DNS server a	addresses	:						
Preferred DNS server:	ĵ.	2	3			¥.		
Elenea prio serveri							-	
Alternate DNS server:		ŝ.		•		•		
Alternate DNS server:				•			\d <u>v</u> an	ced

5. Click 'Add...'.

ettings	DNS	WINS	
P add <u>r</u> e	sses		
IP add	fress		Subnet mask
10.16	8.2.201		255.255.255.0
De <u>f</u> ault g	gateway	<u>A</u> dd	. Edit Remo <u>v</u> e

6. Enter an IP address and subnet mask in the lasertracker's address space. Confirm by clicking 'Add'.

TCP/IP Address	? 💌
IP address:	192.168.0.100
Subnet mask:	255 . 255 . 255 . 0
	Add Cancel

7. Check if the desired IP address is listed and close all open dialogs.

Advanced TCP/IP Settings	? 💌
IP Settings DNS WINS	
IP add <u>r</u> esses	
IP address	Subnet mask
10.168.2.201 192.168.0.100	255.255.255.0 255.255.255.0
<u>A</u> dd	Edit Remo <u>v</u> e
De <u>f</u> ault gateways:	
Gateway	Metric
A <u>d</u> d	Edi <u>t</u> Re <u>m</u> ove
Automatic metric	
Interface metric:	
	OK Cancel

4 Installing T-SCAN Interface

The described installation steps for T-Scan Interface and T-Scan Collect are identical. Previous versions do not need to be uninstalled before updating the T-SCAN Interface application. During re-installation all required files will be updated. All calibration files and the .ini file will be conserved.

- 1. Make sure to have administrator privileges on this PC.
- 2. Run file 'T-Scan Interface xx.x.x.x.exe' by clicking with the right mouse button on the file and by selecting 'Run as administrator' from the pop-up menu.



3. Confirm the safety message by clicking 'Yes'.



4. Choose the installation language and confirm by clicking 'OK'.



5. Choose the lasertracker interface and confirm by clicking 'OK'.



6. Use the default destination folder and click 'Next'.

🕓 T-Scan Collect xx	.xx Setup		
Leica Geosystems	Choose Install Locat Choose the folder in wh	i on nich to install T-Scar	n Collect xx.xx
Setup will install T- click Browse and se	Scan Collect xx.xx in the following lect another folder. Click Next to a	folder. To install in continue.	a different folder,
Destination Folde	r es\Leica\T-Scan Collect xx.xx		Browse
Space required: 12 Space available: 85 Leica Geosystems —	9.0MB 5.0GB	Next	Cancel

7. Use the default start menu folder and click 'Install'.

U T-Scan Collect xx.xx Se	etup	- • -
Leica Geosystems	Choose Start Menu Folder Choose a Start Menu folder for the T-Scan shortcuts.	Collect xx.xx.
Select the Start Menu fol can also enter a name to Leica\T-Scan Collect xx	der in which you would like to create the progra create a new folder.	m's shortcuts. You
Accessories Administrative Tools CodeMeter Games Intel Java Logitech Maintenance		4 H
Leica Geosystems ———	< <u>B</u> ack Insta	all Cancel

8. The 'CodeMeter Control Center' might pop up during installation. This window can be closed anytime.

License Events Borrow		
CmStick 2-1889005	Name:	J.
	Serial: 2-1889005	
	Version: CmStick 1.18	5
	Capacity: 93 % free (367632 Bytes)	
	Status: 🕥 🚱 Disabled	
	License Update Eject Change Password	

9. When setup was completed successfully confirm by clicking 'Next'.



10. Complete the installation by clicking 'Finish'.



5 Installing Calibration Files

- 1. Create a new folder named 'Calibration' in 'C:\ProgramData\Steinbichler\T-SCAN\' if it does not exist, yet.
- If alignment files named 'LLS[SN]R[1-4].mtx' (e.g. LLS1000032R3.mtx) are available, copy the files to 'C:\ProgramData\Steinbichler\T-SCAN\Calibration'. If no alignment files are available a new alignment calibration has to be accomplished in T-Scan Interface for each of the scanner faces.
- 3. If a measuring range calibration file 'LLS[SN].ini' (e.g. LLS1000032.ini) is available, copy the files to 'C:\ProgramData\Steinbichler\T-SCAN\Calibration'.

6 Customizing TScanCol.ini

- 1. Close the T-SCAN Interface/Collect application. Otherwise modifications will not be applied.
- Open the 'TScanCol.ini' file in folder 'C:\ProgramData\Steinbichler\T-SCAN\T-Scan Interface xx.xx\' with a text editor (e.g. Notepad).



Move the cursor to entry 'TrackerIPAddress': The lasertracker's IP address can be configured if it differs from the default address (e.g. 'TrackerIPAddress =192.168.0.1').

The entry 'ScannerAlignmentBaseName' is not used anymore.

Move the cursor to entry 'AMSNetID':
Controller Rev. 2.0 or higher: Enter AMS

- Controller Rev. 2.0 or higher: Enter AMSNetID '10.168.2.200.1.1'. Controller Rev. 1.x: Enter the AMSNetID labeled on the controller housing (e.g. 'AMSNetID =5.15.31.28.1.1').
- 3. Save "TScanCol.ini" and close the text editor.

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- when it has to be **right**

