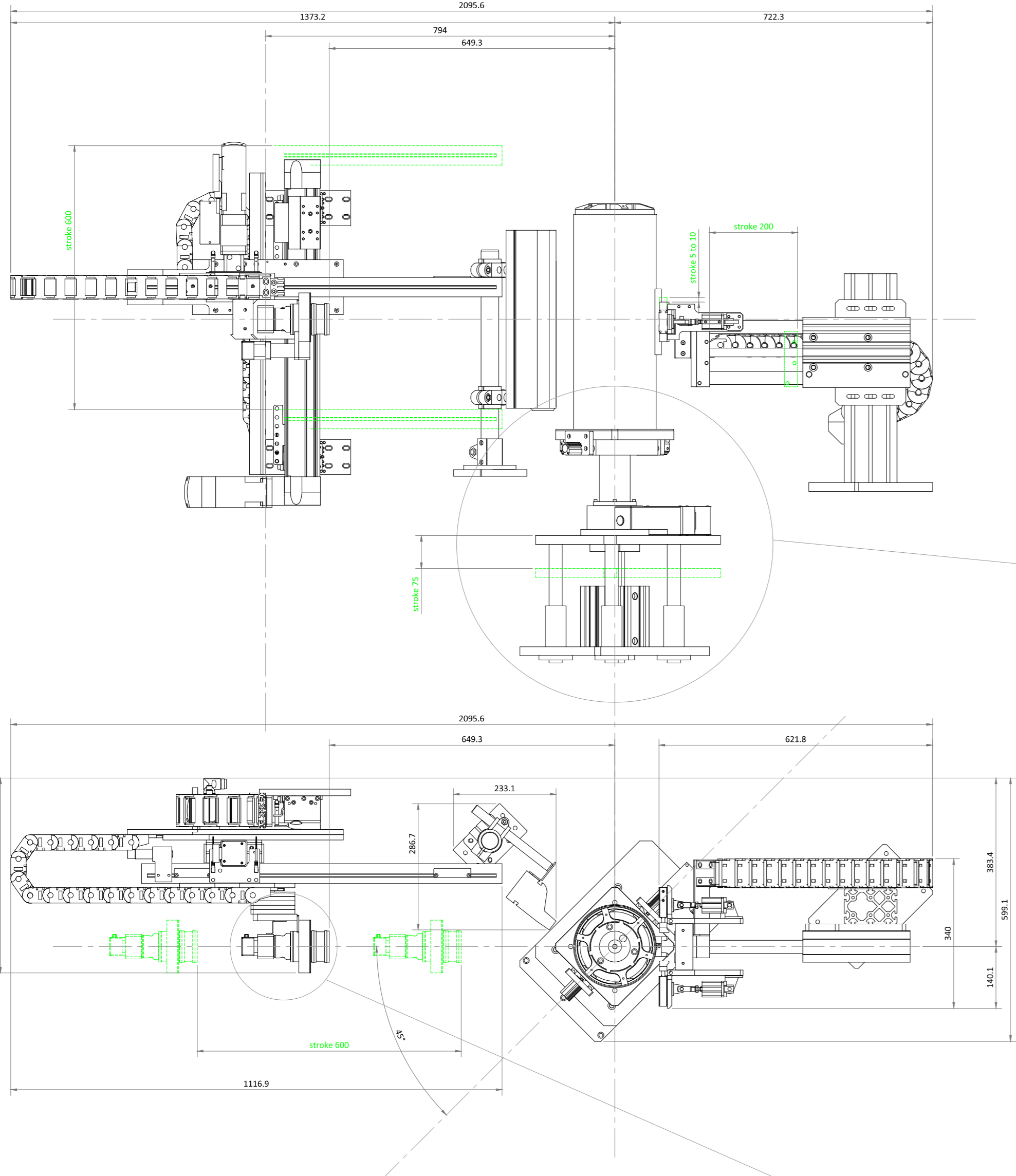
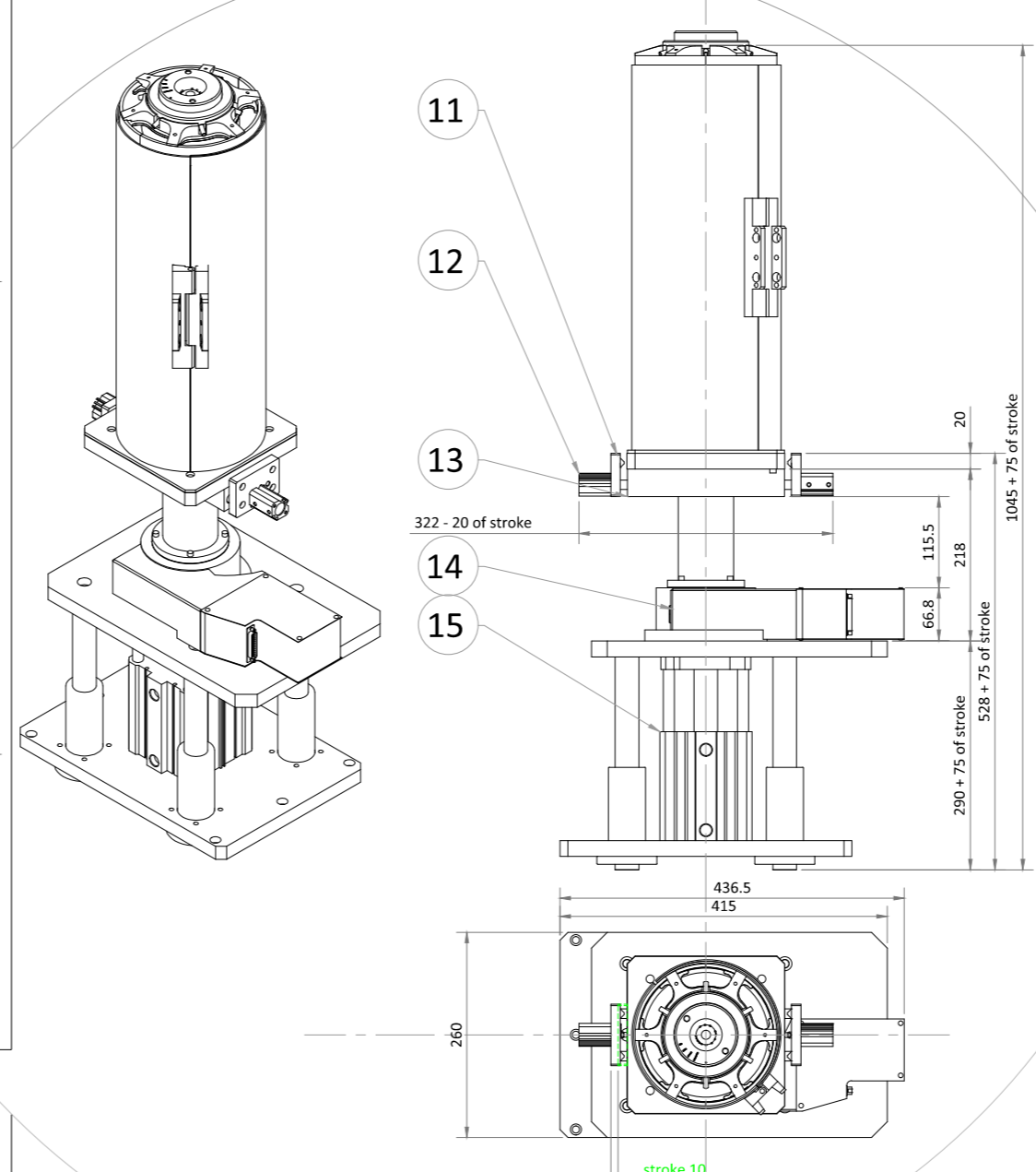
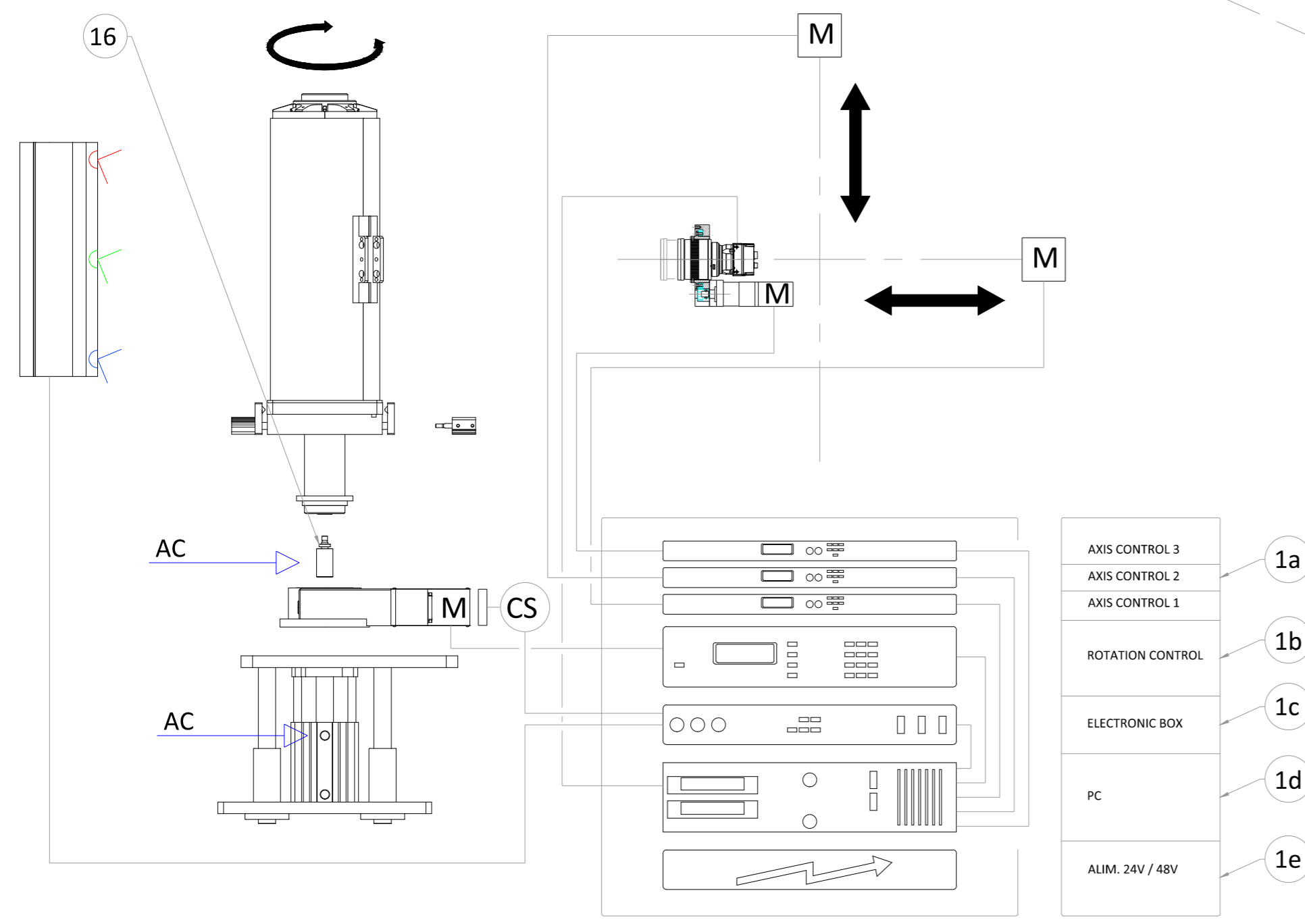


MECHANISM DETAIL of image capture

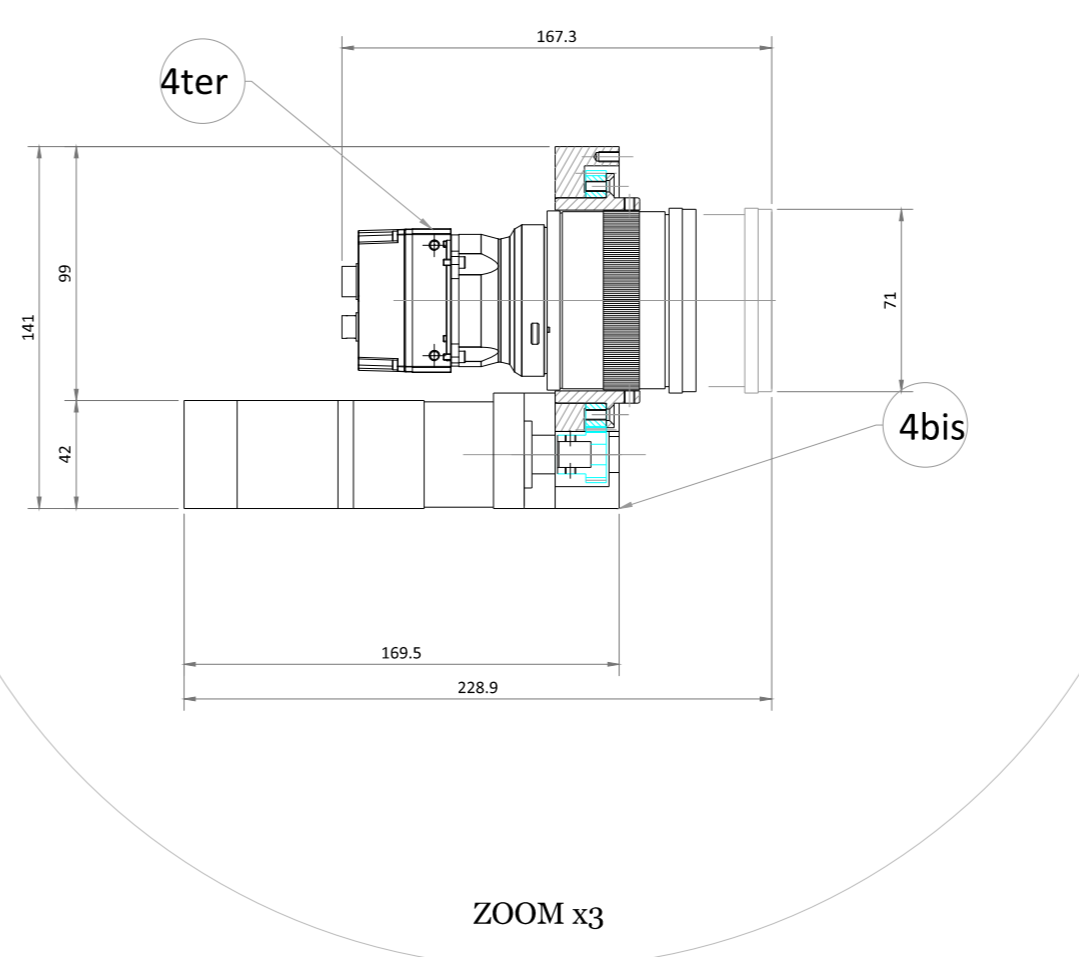


FUNCTIONAL PATTERN



System in high position

AUTOFOCUS System on camera



ZOOM x3

LEGEND


Pos.	Nbr.	Designation	Description	Technical data
1	1	Computer bay	Dimension depend on the type of installation	Content: * Axis controller (1a/3) * Rotation controller * Electronic box * PC * Power supply 24V/48V DC
1a	3	Axis controller		
1b	1	Rotation controller		
1c	1	Electronic box		
1d	1	PC		
1e	1	Power supply		
2	1	Existing conveyor		
3	1	Existing structure		
4	1	Autofocus system + lens	For Lens CarlZeiss	* Focal length (mm): 200 * Angular field (deg): 10x10, 15x15, 21, 40/30/26 * Image shift of close range: 1:2 * Aperture range: f/2.0 - f/22 * Resolution: 1200 * Stair-step (V/DK): 0.8 * Nominal current [VDC]: 0.8 * Power [W]: 10 * Max. rotational speed [rpm]: 1.200 * Weight [kg]: 600
4bis	1	Stepper motor	For autofocus system	* Weight [kg]: 600
4ter	1	Camera	Buckner	Refered on "Description of optical specification" part
5	1	Horizontal linear axis	For axis system	
6	1	Vertical linear axis	For axis system	
7	1	LED series	EPHLEX	Refered on "Description of optical specification" part
8	1	Rhizotubes & Rigid shade		
9	1	Arm-grip system	For rigid shade	* System weight [kg]: <47
10	1	Prehension system		
11	2	Prehension jaw		
12	2	Pneumatic cylinder	For Rhizotube prehension CDQ80000T-05	* Cylinder stroke [mm]: 100 * Boring [mm]: 60 * Integrated sensor (optional) * Single effect * Threaded rod
13	1	Prehension table		
14	1	Rotary table		* Mounted with rotary encoder (Resolution: 0.0007°) * Nominal current [A]: 0.9 * Max. speed [°/s]: 180 * Max. Torque [Nm]: 10 * Weight [kg]: 6.5
15	1	Pneumatic cylinder	For Rhizotube elevation CDQ80000T-05	* Cylinder stroke [mm]: 75 * Boring [mm]: 100 * Weight [kg]: 4.1 * Single effect * Double effect * Max. permit requirement [MPa]: 0.1
16	1	Pneumatic rotor union	DEUBLIN	

Description of optical specification

CAMERA	LED SERIES
* Resolution 2048px x 1px (14k)	* Dimension [mm]: 165 x 125 x 76.20
* Size mm (LxHxP): 140	* Optical length [mm]: 4000
* Power requirements [VAC]: 120/24	* One LED series can be adjust as required, that depends the device on the working wavelength. It is discussed in different type of LED series, considered as described.
* Power consumption [W]: 6.5	
* Weight [kg]: 4.10	
* Measurement range [mm]: 100 to 900	
* Measurement	

!/! Some informations of this plans are subject to modifications, as well as characteristics of components

Indice	Modif. le	Nature de la modification	Modif. par
FORMAT:	TOL:	ECHELLE:	DATE:
			MATIERE:
			FINITION - TRAITEMENT



MODULE RHIZOCAB V3A

PLAN GENERAL

IN1804/10 00 11 Rev0

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CE PLAN EST LA PROPRIETE DE INOVIA FLOW SAS SANS AUCUNE AUTORISATION ECRITE IL NE PEUT ETRE UTILISE OU COMMUNIQUE A DES TIERS