

Portfolio

Best Mechanical Designer!

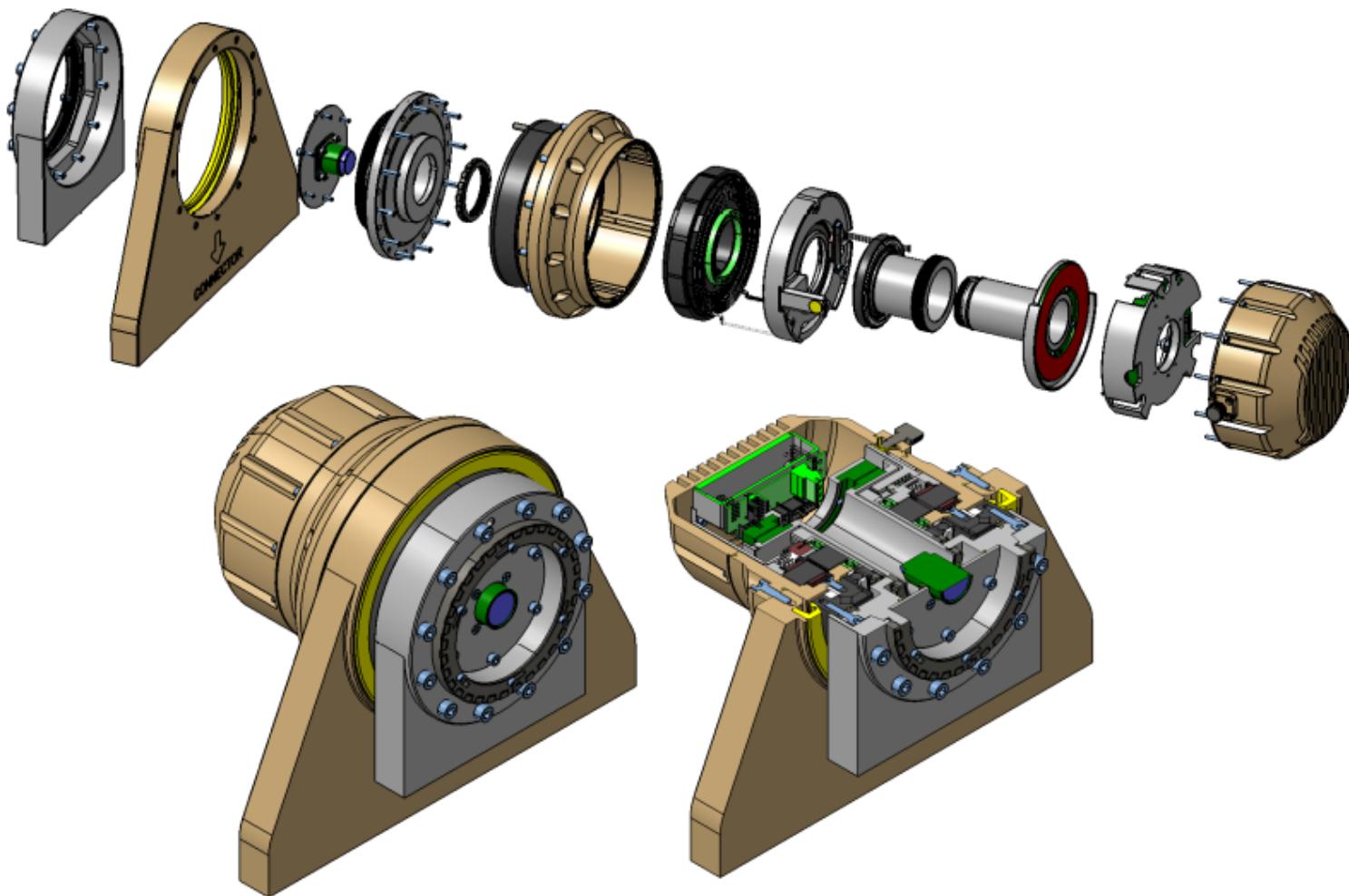
20170127 / 김동호

Defence Robots

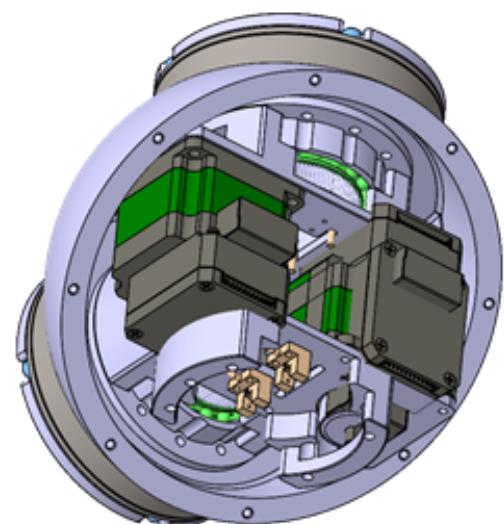
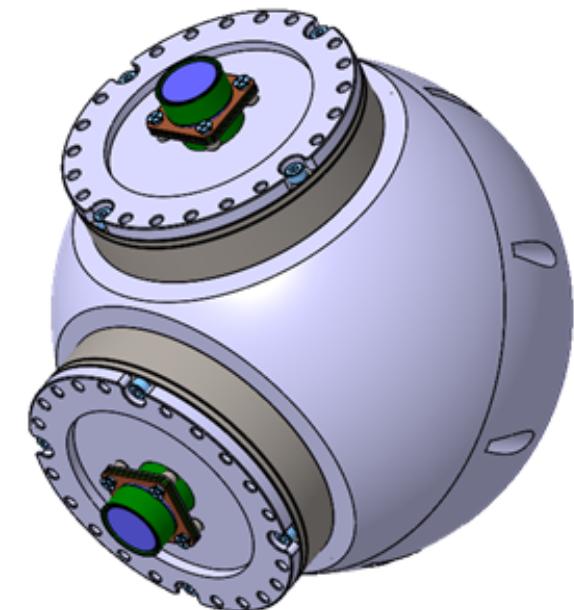
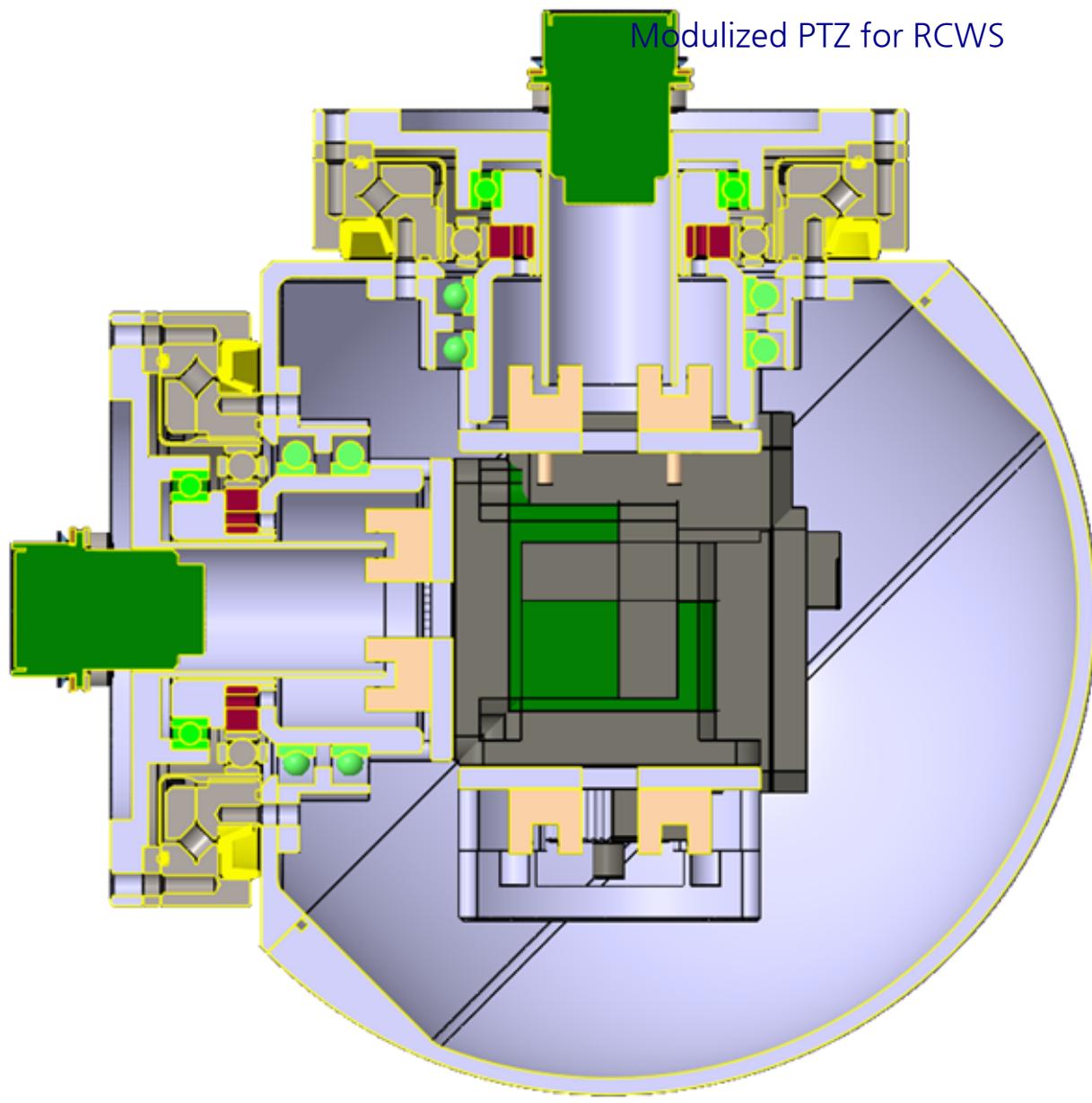
2015~2016



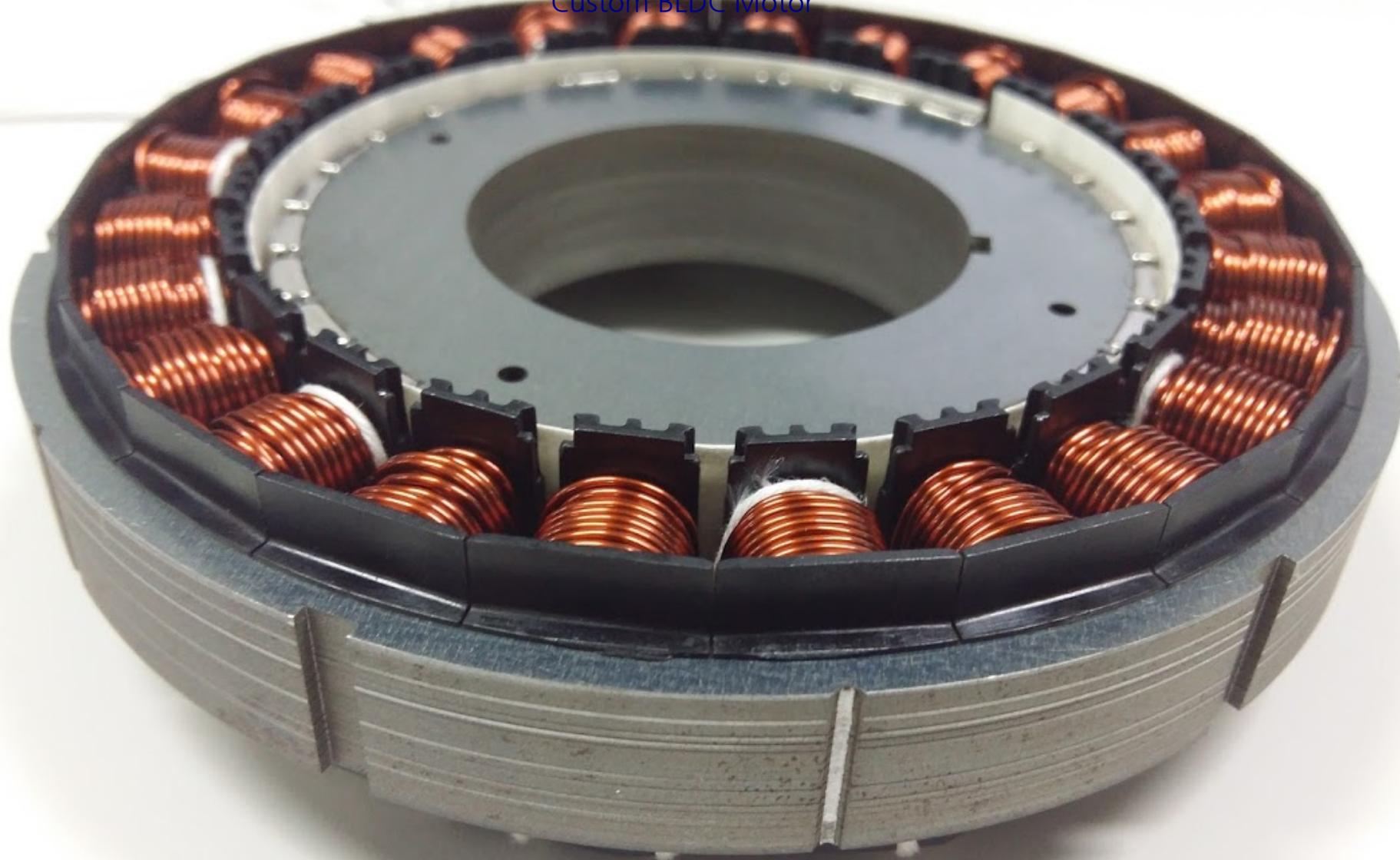
Modulized Smart Actuator for RCWS



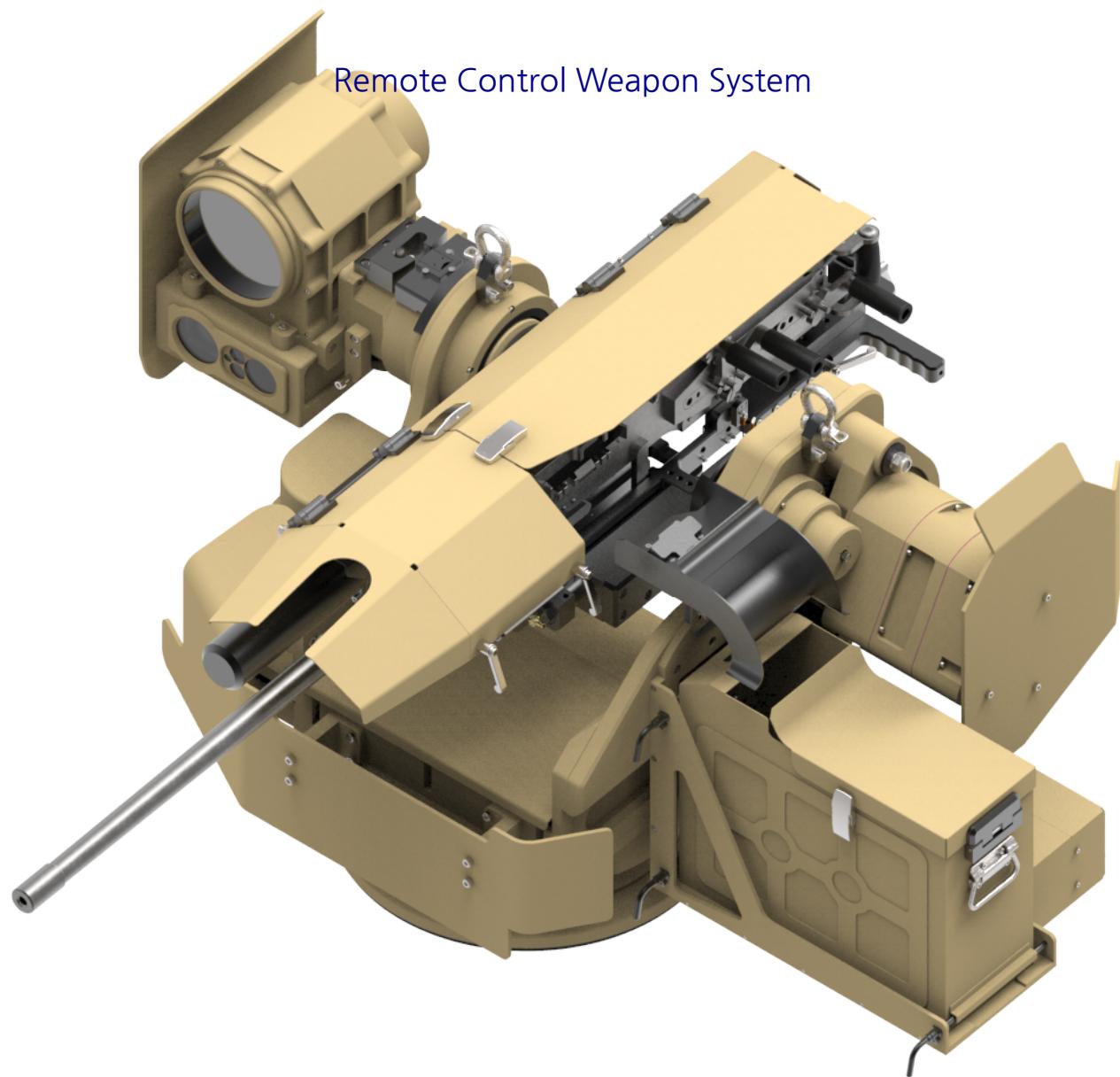
Modulized PTZ for RCWS



Custom BLDC Motor



Remote Control Weapon System



Dynamic FEA in Shooting (0.0001s shots with Elmer Solver)

20151006 TRCWS 003

조회수 16회



Remote Control Weapon System



Shooting Test

2016 TRCWS TEST

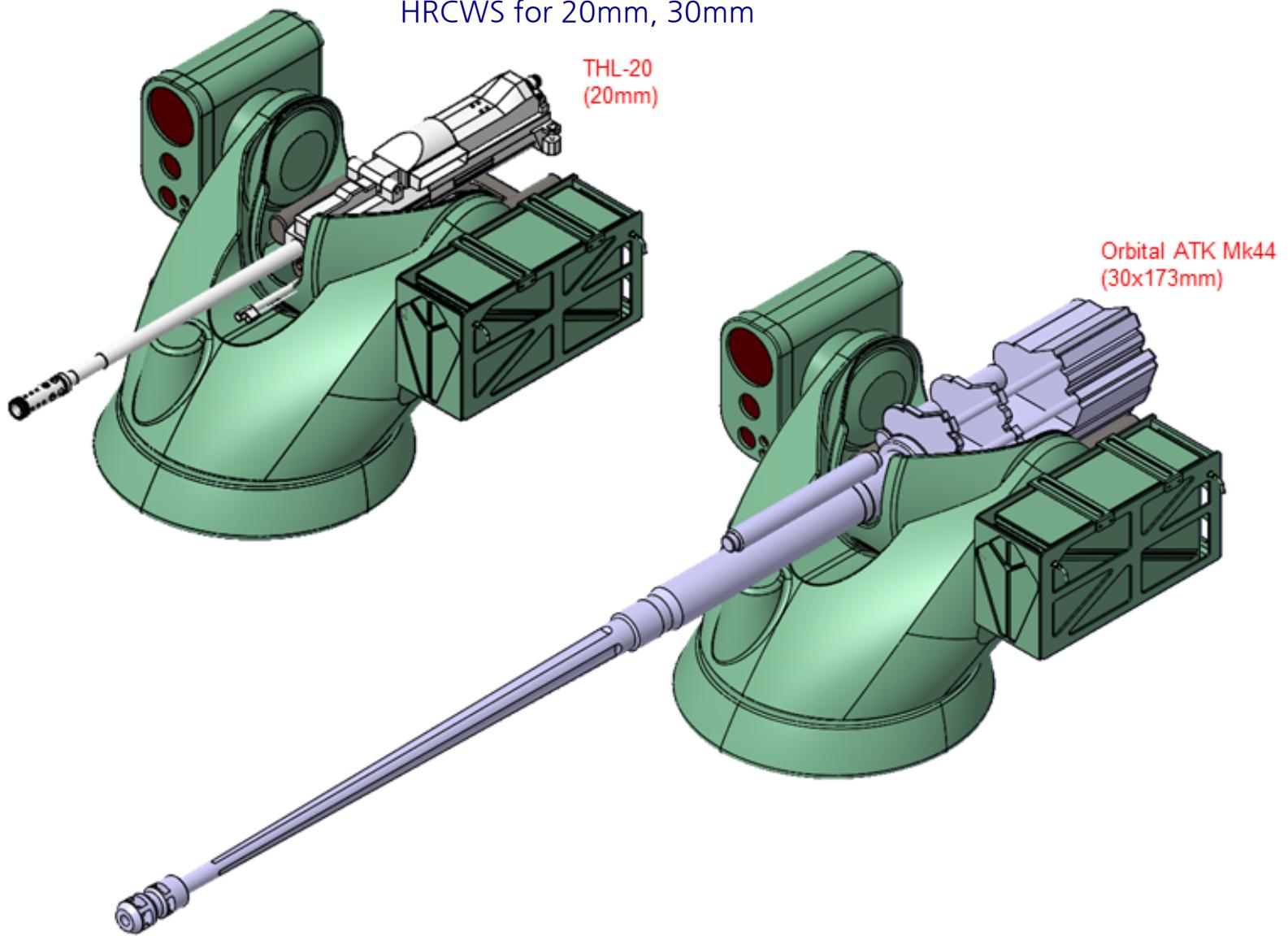
조회수 1회



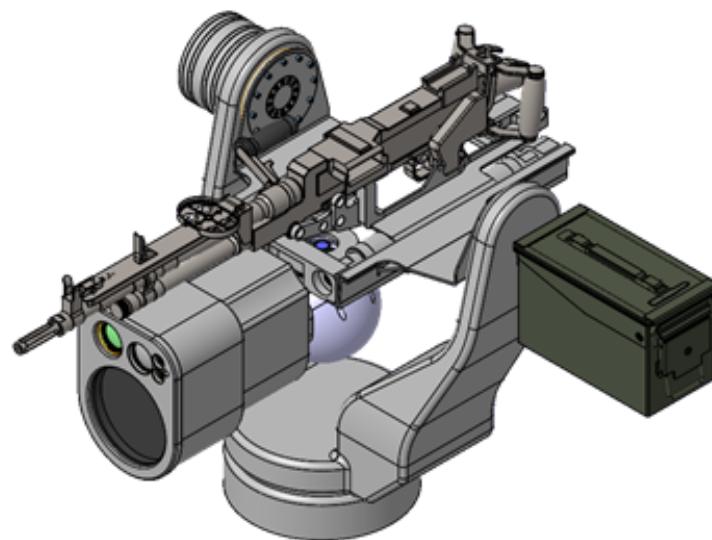
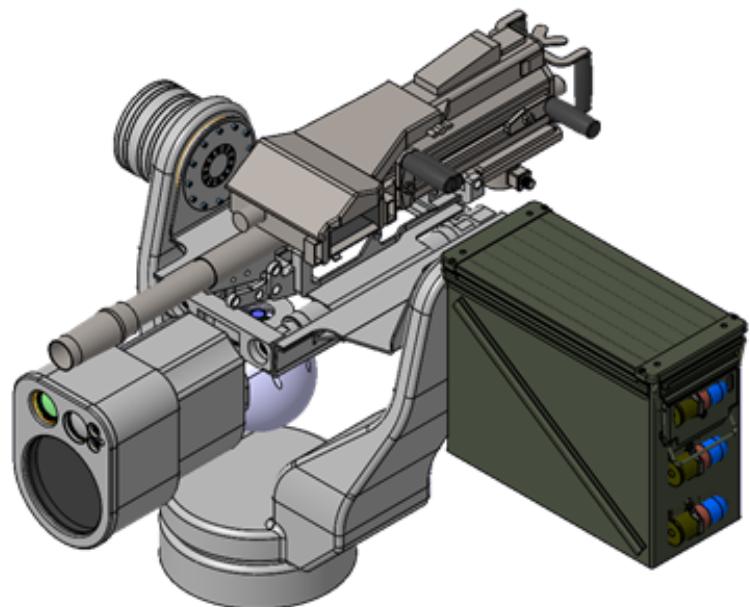
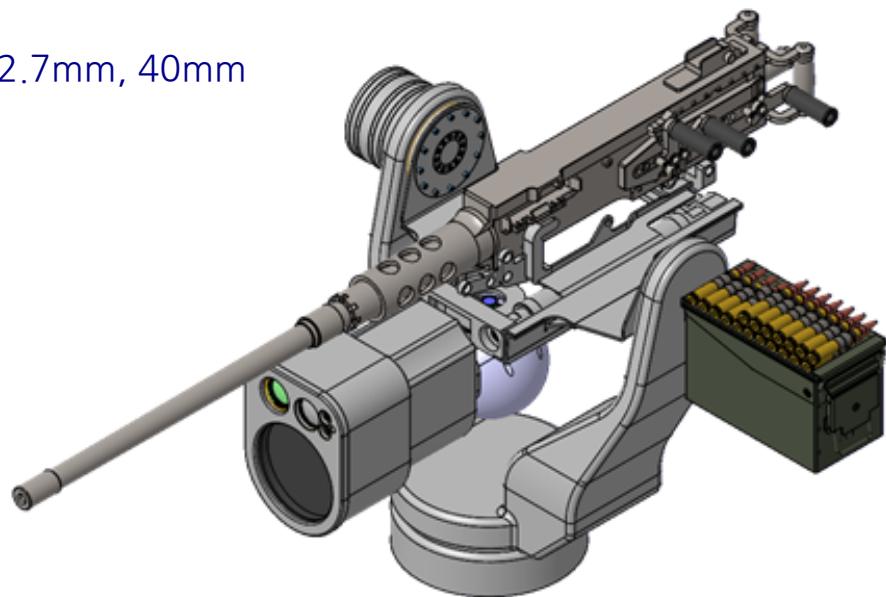
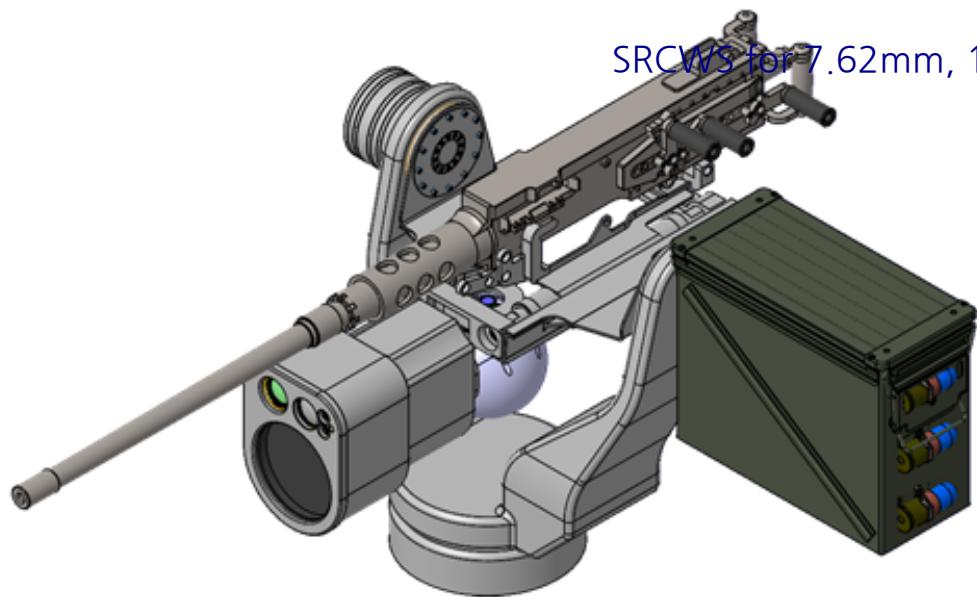
Export abroad



HRCWS for 20mm, 30mm



SRCWS for 7.62mm, 12.7mm, 40mm



Mobile Robots

2007~2015



UROBO





UBOT fot KT

UBOT fot KT

20080428 KT UBOT

조회수 5회



THIN



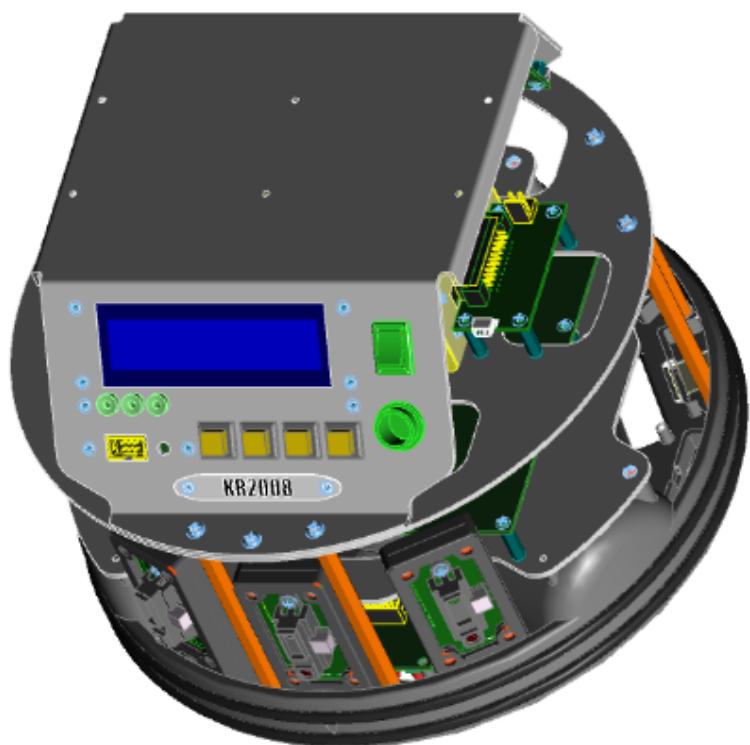
THIN

20090224 ThinClient

조회수 7회



HOLONOMIC



HOLONOMIC in action

MOV02921

조회수 4회



SILVER



SILVER in exhibition

kibot2 레이싱 대회

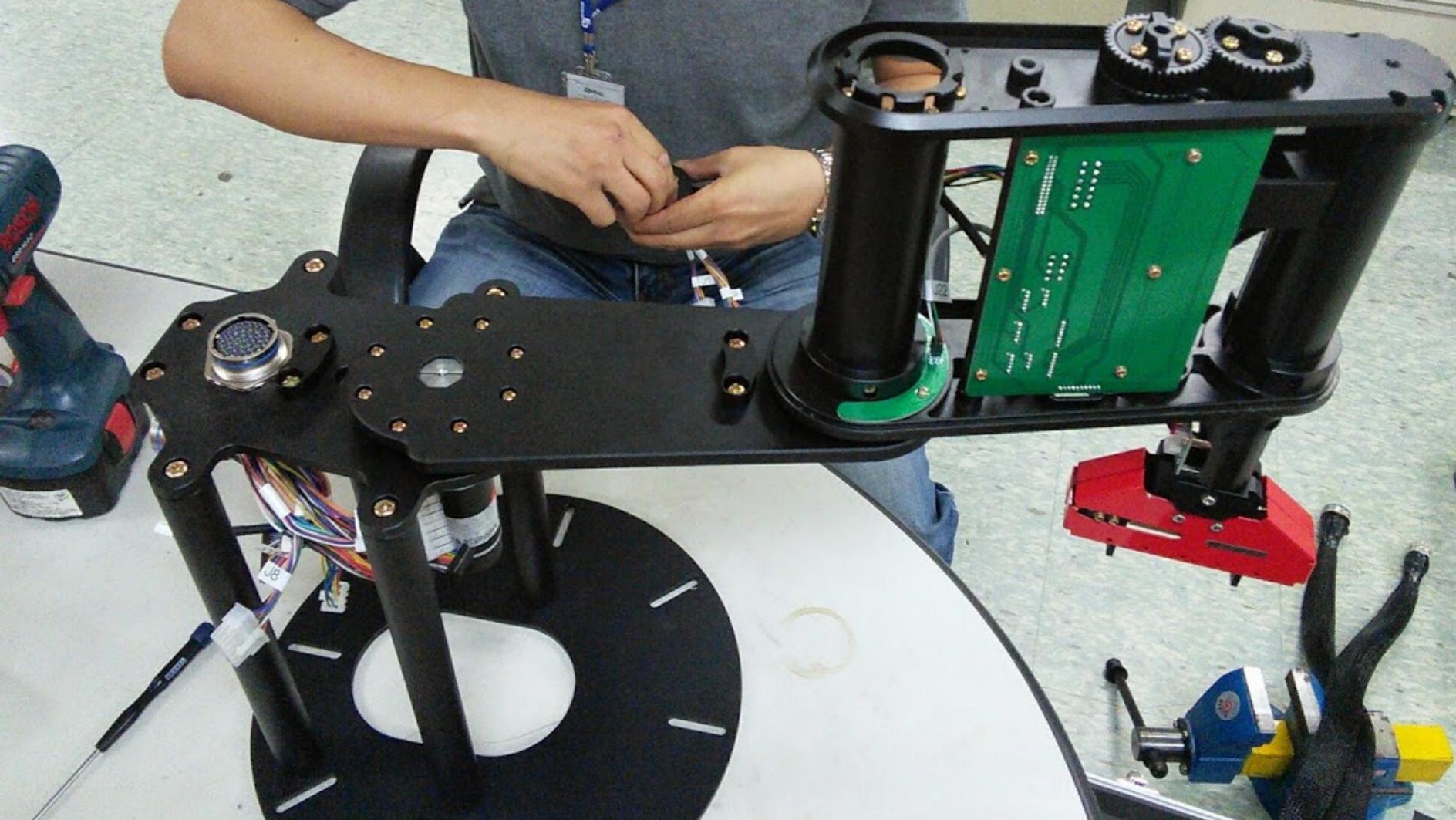


Arm Robots

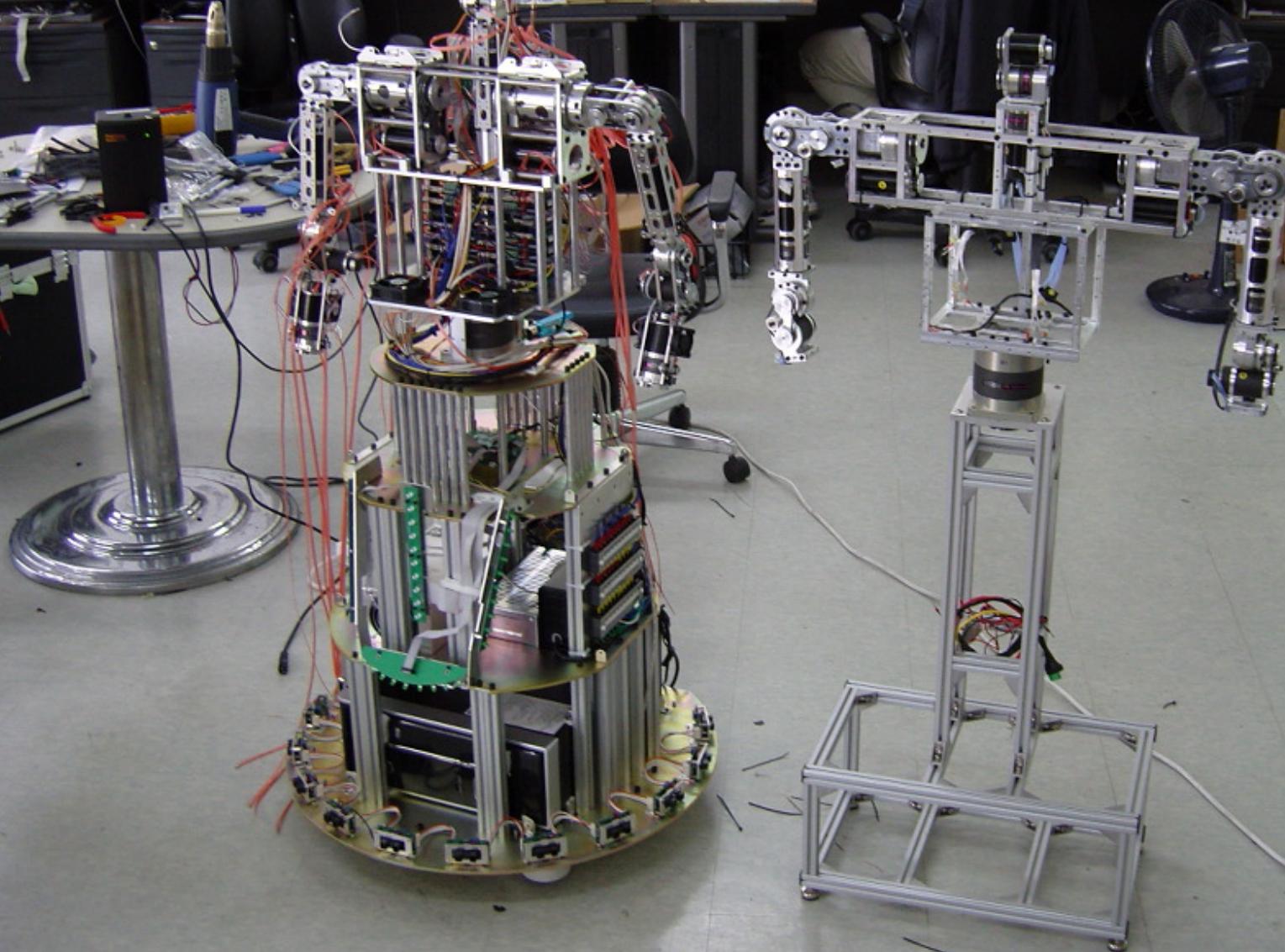
2007~2015



SCARA



ARO Prototype (2007)



ARO1 (2008)



ARO2 (2009)



ARO2 Play

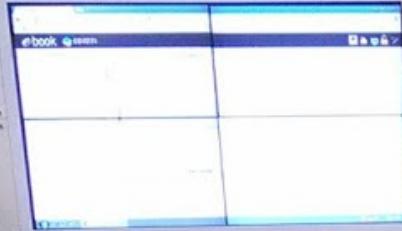
20091015 ARO2K TEST

조회수 22회



Exciting & Dynamic

Exciting
& Dynam



ARO3 (2010)



B12

ELISA (2013~2014)



ELISA Dynamics

ELISA 5DOF 01

조회수 16회



ELISA FEA

20131217 ELISA NFX

조회수 50회



ARTIC Dynamics

20150402 ArtiC Dynamics

조회수 21회



FST for EOD Prototype



K201 Prototype



K201 Motion controller

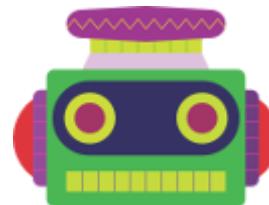


K201

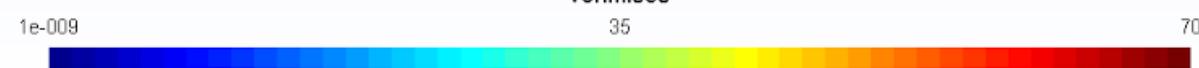
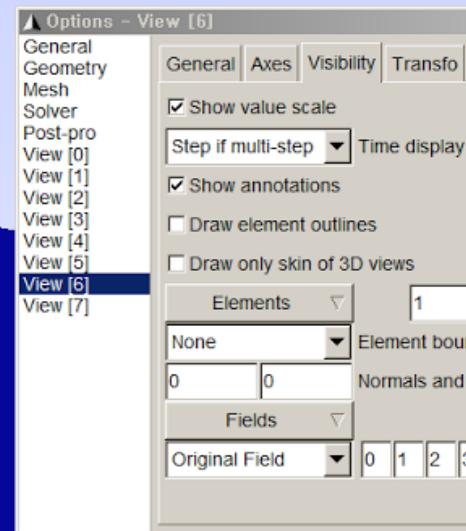


Numerical Design and Analysis

based on OpenSource Solutions



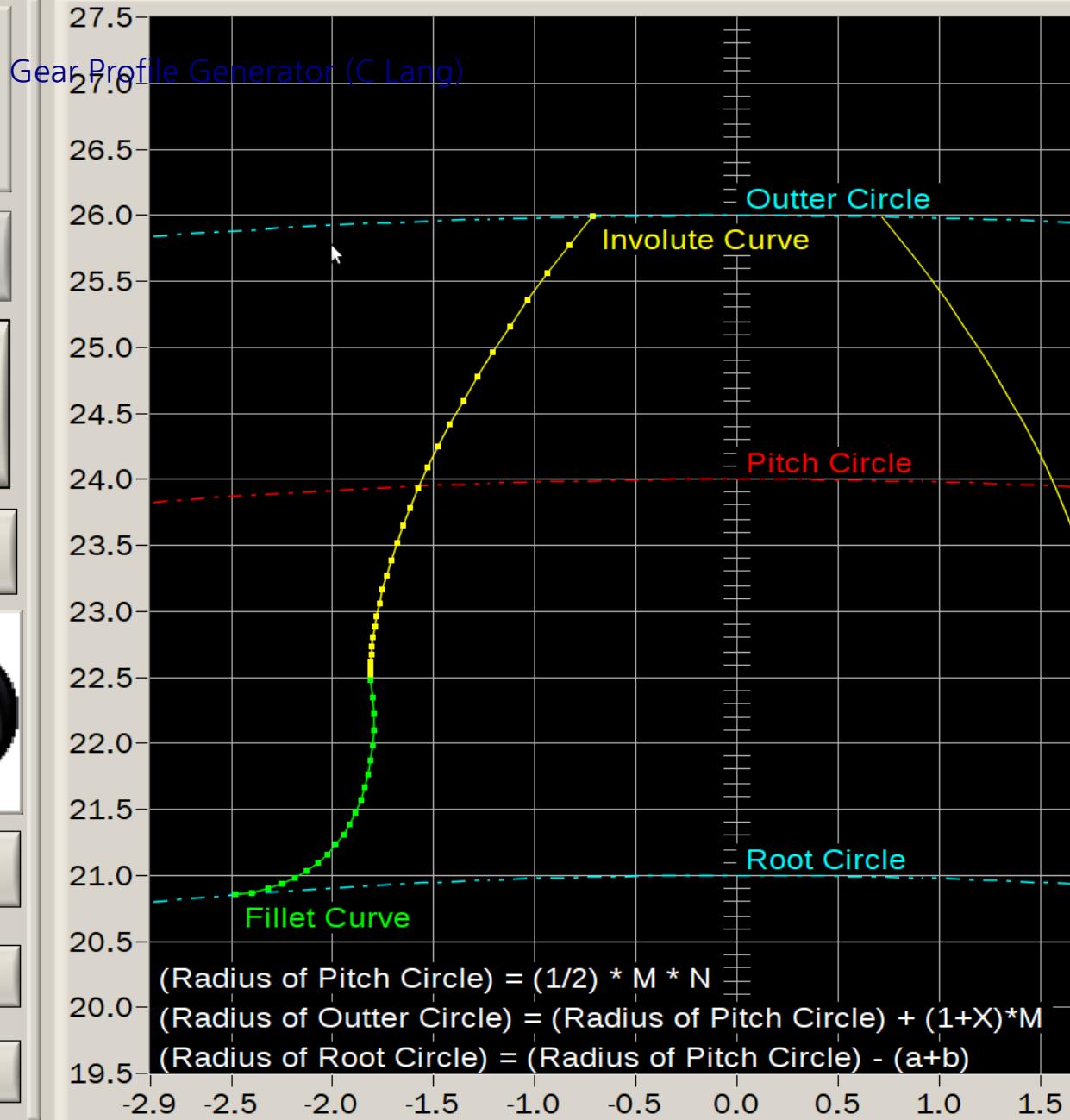
Fine Gear Profile Generation and Analysis (Julia Lang)





Gear Profile Generator v0.8

Inolute Curve
EA
Fillet Curve
EA
(M)
0
ear (a)
0
ear (b)
0
mm
Gear's Root
0
mm
(Phi)
000
Deg
0
(N)
00
EA
rameter

Input MethodDirect File***Load Input file******Generate******Save Profile******Help******About ...******Quit***

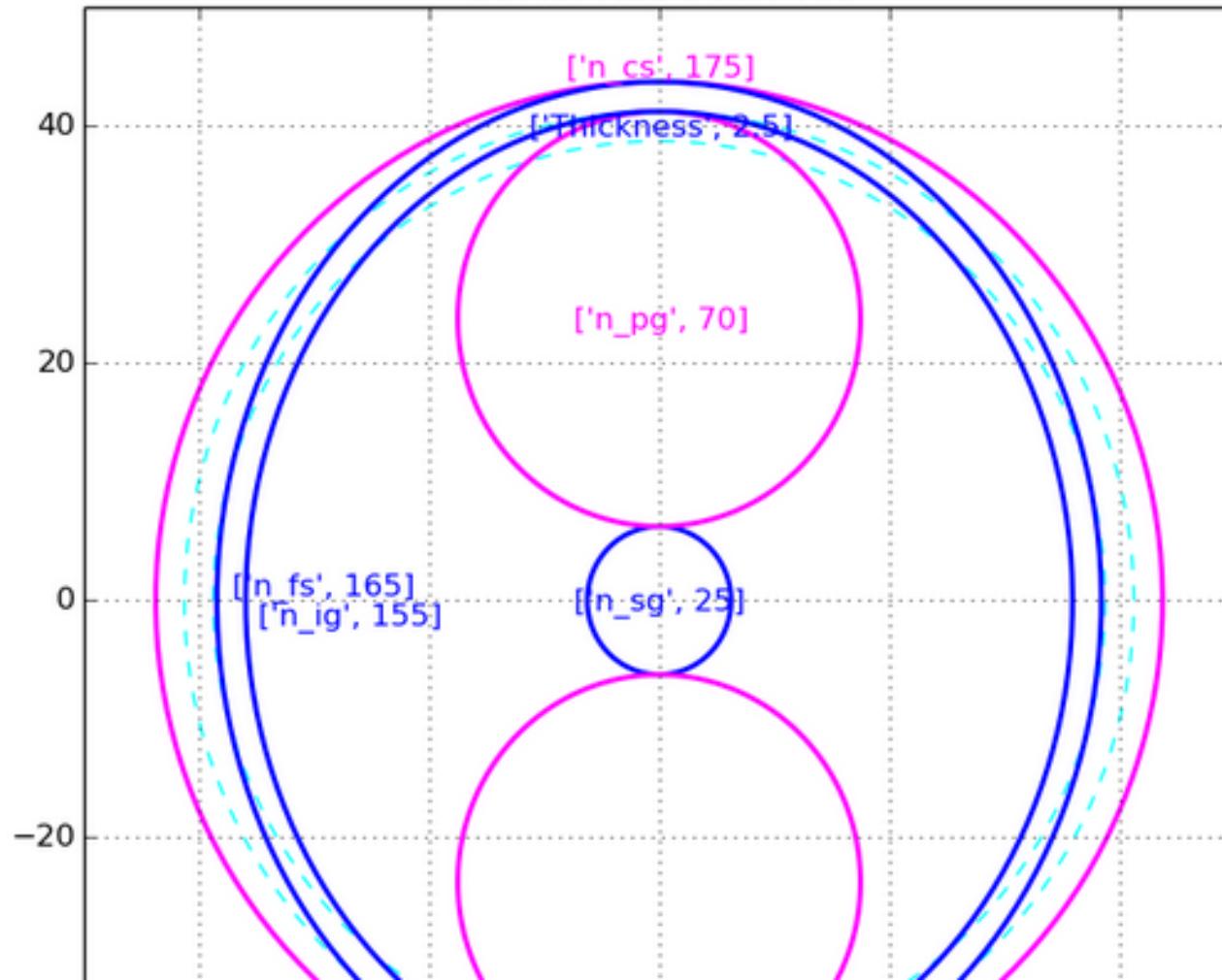
dn_fs 10
dn_ig 10
dn_sg 130

COMBI : Harmonic Drive Designer (Julia Lang)

INFO: Loading help data...

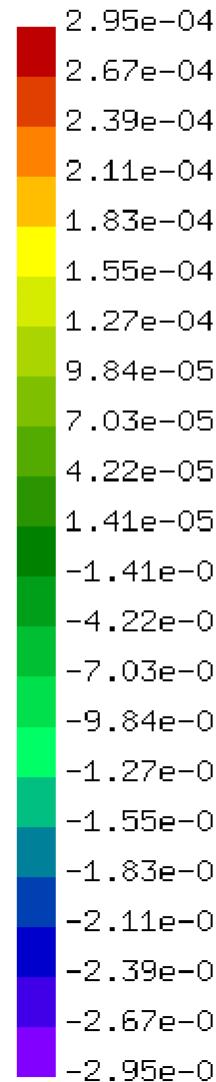
Out[1]:

COMBI REDUCER v05



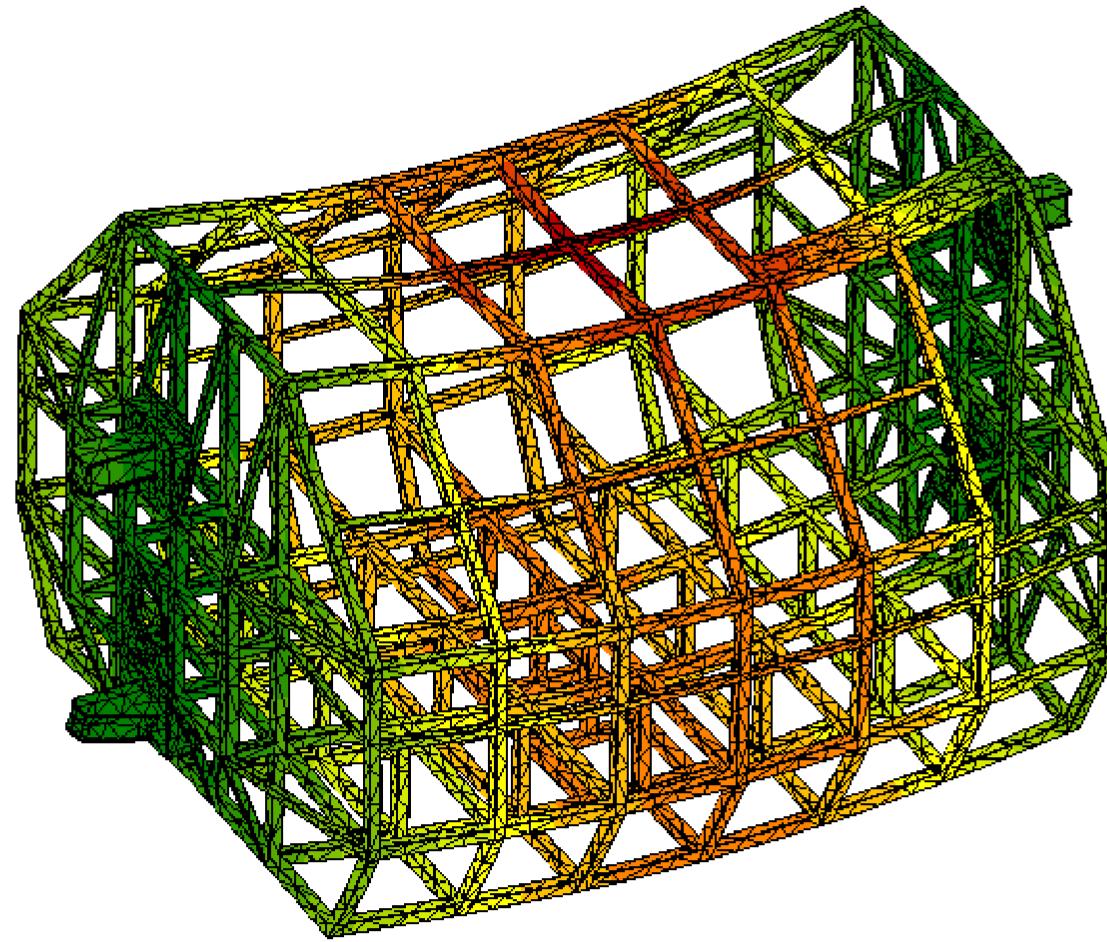
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Time:1.000000
Entity:ALL

max: 2.95e-04
min: 0.00e+00



93%Amplitude

Frame FEA (CalculiX)



s

Transient Heat Transfer (Elmer)

20160906 Transient Heat Transfer Speed x100

조회수 45회



Eigenvalue Acoustic (Elmer)

20160904 Eigen Acoustic 03

조회수 25회



Linear Buckling (Elmer)

20160901 Buckling

조회수 27회



Harmonic Acoustics (Elmer)

20160825 Helmholtz Harmonic

조회수 38회



Eigenmodes (Elmer)

20160719 EigenMode

조회수 69회



Contact (Elmer)

20160626 Contact2D - High Resolution

조회수 39회



Transient Dynamic Elasticity (Elmer)

Transient Linear Elastic with Elmer 2

조회수 93회



Natural Convection (Elmer)

Natural Convection with Elmer CFD

조회수 265회



Karman Vortex (Elmer)

Karman Vortex with Elmer CFD 2

조회수 207회



Gear Stress (Elmer)

20150427 Linear Transient (Scanning) with Elmer FEM

조회수 766회



Harmonic Drive Gear Stress (MidasNFX)

20131217 ELISA NFX

조회수 50회



fin

Take this technical superiority!

dymaxion.kim@gmail.com / [dymaxionkim.github.io](https://github.com/dymaxionkim)

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