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daedong GEAR

POWERTRAIN & MOBILITY

PIONEERS IN POWERTRAIN & MOBILITY BUSINESS

daedong gear

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CONTENTS

Daedong's History Change and Innovation, Challenge for 100 Years

1973 Company founded

1978 Designated as a factory specializing in auto parts

1983 Changed company name to Daedong Gear Co., Ltd

1988 Mass production of transmission and axle assembly for agricultural use.

1994 Mass Production of gears and shafts for automobile transmissions

1995 Factory relocation (Jinju, Gyeongnam ▶ Sacheon, Gyeongnam, Current location)

1996 Acquired ISO9001.

2004 Acquired ISO/TS 16949: 2002 & ISO14001

2004 Awarded 10 Million Dollar Export Tower

2008 Reached KRW 100 billion in sales

2010 Mass Production of sub assembly for 1.5L manual transmission (GMK)

2013 Mass Production of 7-speed dry DCT, automatic transmission gear (HKMC)

2014 Mass Production of 1.5L-2.0L automatic transmission gear (MAZDA, Japan)

2014 Mass Production of gears for 8-speed front-wheel large automatic transmission (HKMC)

2016 Mass Production of 30 ton to 50 ton travel reducer reduction gear assembly for excavator (Mottrol)

2016 Mass Production of 8-speed front wheel mid-sized, automatic transmission gear development (HKMC)

2017 Assembly of O.E.M cultivators

2018 Mass Production of gamma IVT, automatic transmission gear (HKMC)

2019 Mass Production of 8-speed wet DCT, automatic transmission gear (HKMC)

2019 Construction of 2nd factory

2020 Assembly of tractor and skid-loader complete vehicle

Global Leader In Power train & Mobility Business

Vision

Daedong Gear specializes in the production of transmissions and axles for agricultural machinery, reduction device reducers for construction machinery, and high-precision gears and shafts,. and Daedong gear is taking off as a global company based on its vast production experience, advanced technology and expert know-how.
We provide the best products and services to our customers based on quality innovation, production innovation, cost innovations and accumulated core technologies. and we will move beyond being a powertrain company and grow as a global leader in the fields of agricultural machinery, automobiles, and industrial machinery.

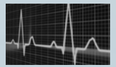
Mission

The purpose of our existence is to provide the best value to our customers by constantly pursuing challenges to create the core products of global agricultural machinery and mobility business. Through this, we will become a great company that impresses our families, customers and neighbors and is loved and respected by all.

CORE VALUE

{ CREATIVITY } { RESPONSIBILITY } { PASSION } { TRUST }

STRATEGIC OBJECTIVE



01 Cost Reduction

02 Advancement in Global Sourcing

03 Improvement in Quality & Service

04 Possession of Core Technology for future development

Built Masterly

All products have been created with the technology and spirit of Daedong Gear craftsmen for over the last 50 years.

Front View of Daedong Gear Factory in Sanam-myeon, Sacheon-si, Gyeongsangnam-do

CEO Message

Daedong Gear, Korea's first agricultural machinery transmission manufacturing company has grown tremendously over its 50-year-long history. In particular, since the late 1990s, we have pursued rapid change with unprecedented bold innovation.
We have grown tremendously in the automotive industry. As a result, we are growing into a globally competitive powertrain company in the fields of agricultural machinery, industrial machinery, and automobiles.

In the era of the Fourth Industrial Revolution, Daedong Gear is s aiming to become an innovative company that creates new business value and leads the market with smart technology through convergence with the IT industry. In addition, we are striving toward our vision "Global Leader in Powertrain & Mobility Business" by constantly improving our products, technologies, and working methods to provide optimal solutions to customers.

Daedong Gear is creating an advanced corporate culture and competitive advantage based on the belief that only innovative solutions and products can guarantee future growth.

While conducting sound management based on a solid business portfolio, we constantly pay close attention to the market to secure future growth engines, and are creating a foothold for a new leap forward by enhancing fundamental competitiveness through incessant innovation and securing core technologies.

The driving force behind Daedong Gear's tremendous growth over the years has been the unsparing trust and support of our shareholders and customers. In the future, we will continue do our utmost to become a proud company standing on the global stage, always thinking about our shareholders, customers, and the society in which we belong so that we can return the love and support that they have showed us.

Thank you.

Daedong Gear Co., Ltd
Kang Kyung-gyu, CEO

We sincerely thank our shareholders and customers
for their generous support and love for Daedong Gear.
We will valiantly advance as a proud global company.

Representative Master

Our gear masters who have served for over 50 years guarantee that the products produced by Daedong Gear are of perfect quality.

Our Experience at "Daedong Gear"…

After joining the company as part of the jig team, I have amassed 25 years of experience repeating failures and successes to acquire a high level of skill and expertise in cutting and assembly. Problems that are difficult to solve with basic knowledge and theory are supplemented and improved through experience and know-how acquired in the production field, and I intend to pass on my know-how to juniors as well.

Advantages of Working at Daedong Gear

There are four main advantages of Working at Daedong Gear

First, as a leading powertrain-specialized manufacturer, the company is constantly developing by accumulating technology and know-how.

Second, the company has expanded its business from being an agricultural machinery-centered business structure to the automobile and industrial machinery sectors.

Third, based on the company's accumulated technology, it has succeeded in localizing automatic transmission gears and shafts for automobiles, and is developing and producing high-precision products.

Fourth, it is producing OEM agricultural and industrial finished vehicles based on its powertrain production technology, and is pursuing continuous development with customer satisfaction as the greatest value through research and quality assurance for the development of its own branded products.

Due to difficulties in acquiring quality assurance in Korea, the company has succeeded in localizing products that had previously relied on imports from advanced overseas companies, which would have been impossible without Daedong Gear's technological prowess.

Yoo / 35yr

Yeom / 31yr

Jeong / 39yr

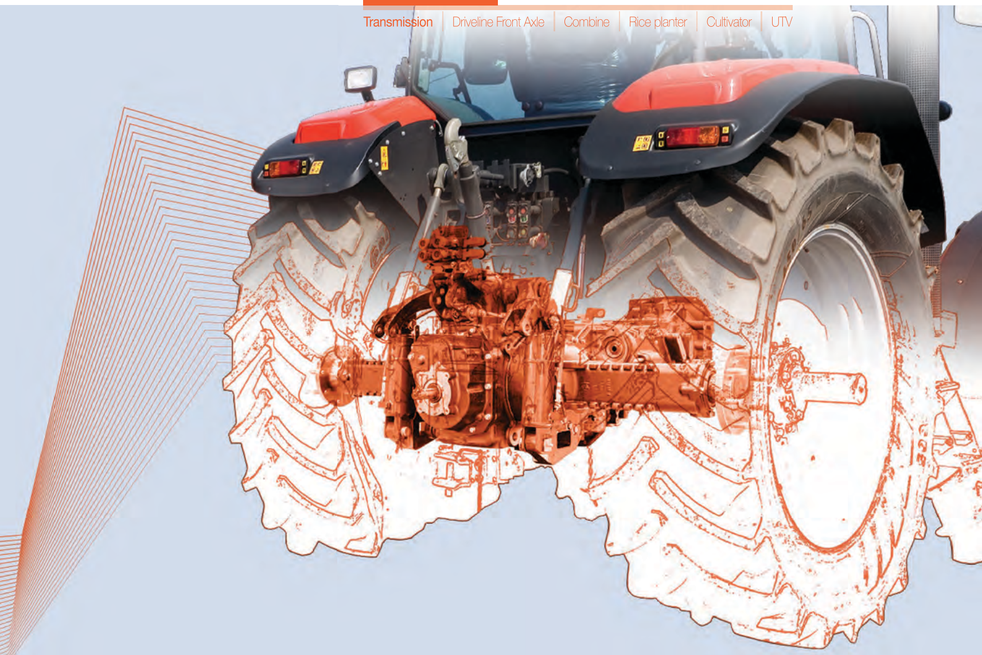
Kim / 27yr

Agricultural Machinery

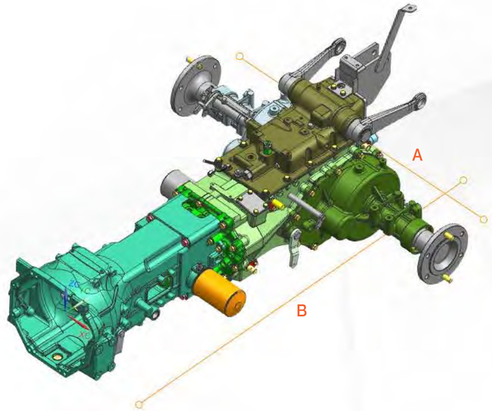
Tractor I Combine Harvester I Tiller I Rice Planter I UTV

With its roots in manufacturing powertrain parts for agricultural machinery, Daedong Gear was founded in 1973 as the first manufacturer of transmission parts for agricultural machinery in Korea, and grew into a manufacturer of transmission and axle assemblies in the early 1980s.

Currently, we possess specialized technology necessary for the production of transmission parts for automobiles and industrial machines as well as agricultural machinery, and we design, develop, and mass-produce transmissions and axles for tractors and utilities, while also producing OEM products and selling them to domestic and global companies.



Daedong Gear has been developing tractor transmission and axle assemblies ranging from 19hp to 140hp based on production experience in various agricultural machinery parts. In addition, we develop various derivatives based on the basic model and provide technical support for the development of new products for our customers.



TB SERIES Transmission (25hp ~ 30hp)

A powerful hydraulic cylinder capable of lifting 606Kgf based on 25HP is placed on the right
side to maximize the driving operability of the overall vehicle
high-efficiency HST is installed to minimize power loss

TC SERIES Transmission (25hp ~ 45hp)

Excellent durability and cost competitiveness are secured by adopting a "2" piece case. Transmission that can implement independent PTO and automatic PTO to maximize the convenience of small transmission. Equipped with a powerful hydraulic cylinder capable of lifting 1,112Kgf based on 40hp engine

Model		TB Series				TC Series			
		Manual		HST		Manual		HST	
		TM	Axle	TM	Axle	TM	Axle	TM	Axle
Spec	Length (A) mm	1280	415	1280	415	1420	420	1420	420
	Width (B) mm	920	1080	920	1080	1080	1250	1080	1250
	Weight(kg.f)	295	70	295	70	350	90	350	90

Sub Compact	Unit	TB110T TB130T	TB110HT TB130HT	TB150HT	TC200HT	TC220T	TC220HT
POWER RATING	HP	24 /24.5 / 28 / 33	24 /24.5 / 28 / 33	24.5	24.5	24.5	24.5
MAX REAR TIRE SIZE		11.2 - 16	11.2 - 16	11.2 - 16	11.2 - 24	11.2 - 24	11.2 - 24
TRANSMISSION DATA		MECANICAL	HST	HST	HST	MECANICAL	HST
		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
MAIN GEAR SHIFT X		3 X 2	INF . 2	INF . 2	INF . 3	4 X 3	INF . 3
RANGE GEAR SHIFT							
NO OF SPEEDS		6F2R	X	X	X	12F12R	X
SHUTTLE TYPE		SYNCHRO SHUTTLE	X	X	X	SYNCHRO SHUTTLE	X
MAIN GEAR SHIFT TYPE		1/R(SYNCHRO)	X	X	X	SYNCHRO MESH TYPE	X
		2/3(SLIDING)					
RANGE GEAR SHIFT TYPE		SLIDING GEAR TYPE	SLIDING GEAR TYPE	SLIDING GEAR TYPE	SLIDING GEAR TYPE	SLIDING GEAR TYPE	SLIDING GEAR TYPE
FLANGE TO FLANGE	MM (IN.)	905	905	905	1070	1070	1070
BRAKE TYPE		WET MULTI-PLATE DISC	WET MULTI-PLATE DISC	WET MULTI-PLATE DISC	WET MULTI-PLATE DISC	WET MULTI-PLATE DISC	WET MULTI-PLATE DISC
DIFF . LOCK		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
FRONT WHEEL DRIVE SYSTEM		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
(4WD)							
PTO ENGAGEMENT		DRY SINGLE DISK CLUTCH	DRY SINGLE DISK CLUTCH	DRY SINGLE DISK	DRY SINGLE DISK	DRY SINGLE DISK	DRY SINGLE DISK
REAR PTO TYPE		TRANSMISSION	LIVE	LIVE	LIVE	INDEPENDENT	INDEPENDENT
REAR PTO SPEED		540 / 540, 750	540	540	540	540 / 540, 540E	540 / 540, 540E
LIFT CAPACITY AT LIFT POINT	KGF	739(1629)	739(1629)	739(1629)	1030(2270)	1030(2270)	1030(2270)

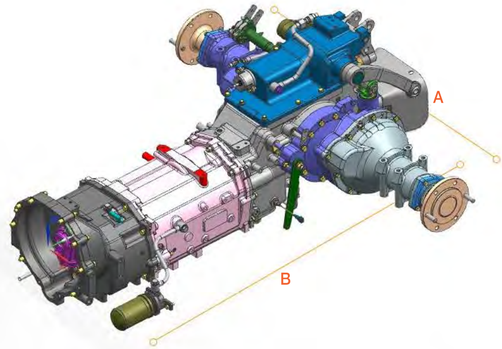
TD SERIES Transmission (40hp ~ 60hp)

A state-of-the-art H-shuttle-mounted transmission capable of forward and backward without operating the main clutchTransmission that can automatically control the position of the work machine by attaching a horizontal control cylinder Transmission that can be equipped with an auxiliary lifting cylinder Increased lifting power (Standard 9.29KN - Optional 12.0KN) Transmission with high durability by applying spheroidized casting material

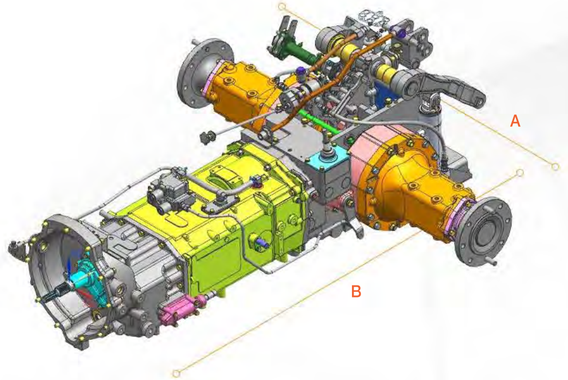
TE SERIES Transmission (45hp ~ 60hp)

This is a transmission equipped with an external lifting cylinder to increase maintainability and lifting power by adopting a three-stage PTO structure capable of various operations (independent PTO and T/M interlocking with automatic PTO). Transmission capable of securing hydraulic withdrawal ports to enable various operations (max. 4 front / 4 rear)

Model		TD Series				TE Series			
		Manual		HST		Manual		HST	
		TM	Axle	TM	Axle	TM	Axle	TM	Axle
Spec	Length (A) mm	1560	464	1560	464	1622	464	1622	464
	Width (B) mm	1195	1380	1195	1380	1304	1436	1254	1380
	Weight(kg.f)	460	150	460	150	525	150	520	150



Compact	Unit	TD200T	TD200HT	TD210HT	TE130T	TE130HT	TE150T TE160T
POWER RATING	HP	45 /50 / 55 / 58	45 /50 / 55 / 58	45 /50 / 55 / 58	45 /50 / 55 / 60	45 /50 / 55 / 60	50 / 55 / 58
MAX REAR TIRE SIZE		13.6 - 24	13.6 - 24	13.6 - 24	13.6 - 28	13.6 - 28	13.6 - 26
TRANSMISSION DATA		MECANICAL	H SHUTTLE	HST	MECANICAL	HST	MECANICAL
		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
MAIN GEAR SHIFT X		4 X 2 / 4 X 4	4 X 2 / 4 X 4	INF . 3	4 X 3 X 2	INF . 3	4 X 3
RANGE GEAR SHIFT							
NO OF SPEEDS		8F8R / 16F X 16R	8F8R / 16F X 16R	3	24 X 24	3	12F12R
SHUTTLE TYPE		SYNCHRO SHUTTLE	H - SHUTTLE	HYDROSTATIC DRIVE	SYNCHRO SHUTTLE	HYDROSTATIC DRIVE	SYNCHRO SHUTTLE
MAIN GEAR SHIFT TYPE		SYNCHRO	SYNCHRO	X	SYNCHRO MESH	X	SYNCHRO MESH
RANGE GEAR SHIFT TYPE		CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH
FLANGE TO FLANGE	MM (IN.)	1195(47.05)	1195(47.05)	1195(47.05)	1304	1304	1304(51.34)
BRAKE TYPE		WET DISC TYPE	WET DISC TYPE	WET DISC TYPE	WET MUTI DISC	WET MUTI DISC	WET DISC TYPE
DIFF . LOCK		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
FRONT WHEEL DRIVE SYSTEM		MECHANICAL	MECHANICAL	MECHANICAL	HYDAULIC DOG CLUTCH	MECHANICAL	MECHANICAL
(4WD)		HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH		HYDAULIC DISC CLUTCH (W/QT)	HYDAULIC DOG CLUTCH	HYDAULIC DOG CLUTCH
PTO ENGAGEMENT		DRY SINGLE DISK CLUTCH	DRY SINGLE DISK CLUTCH	DRY SINGLE DISK	DRY SINGLE DISK	DRY SINGLE DISK	DRY SINGLE DISK
REAR PTO TYPE		TRANSMISSION	LIVE	LIVE	LIVE	INDEPENDENT	INDEPENDENT
REAR PTO SPEED		540 / 540, 540E	540 / 540, 540E	540	540 / 540, 540E / 540, 540E 1000	540	540, 750 , 1000
LIFT CAPACITY AT LIFT POINT	KGF	1360	1360	1360	1605(3538)	1605(3538)	1334



TF SERIES Transmission (60hp ~ 85hp)

Convenience of finished vehicle is secured by installing PTO reverse rotation function inside the transmission ("F" 3rd / "R" 1st)
Transmission with ultra-precision power shuttle capable of forward driving and reversing without manipulating the main clutch
Improved maintenance and increased lifting power by adopting super-strong external lifting cylinder
Transmission that can automatically control the position of the work machine by attaching a horizontal control cylinder

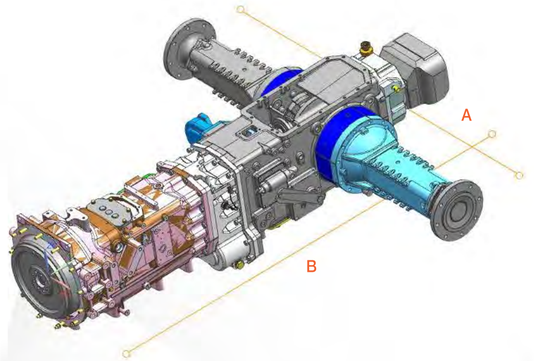
Model (TF Series)		Manual		HST	
		TM	Axle	TM	Axle
Spec	Length (A) mm	1800	490	1800	490
	Width (B) mm	1350	1580	1350	1580
	Weight(kg.f)	740	200	750	200

Utility	Unit	TF120T	TF120T & TF130T	TF120PT	TF120PT & TF130PT
POWER RATING	HP	58 / 63 / 68	73 / 85	58 / 63 / 68	73 / 85
MAX REAR TIRE SIZE		14.9 - 30	16.9 - 30	14.9 - 30	16.9 - 30
TRANSMISSION DATA		MECANICAL	MECANICAL	POWER SHUTTLE	POWER SHUTTLE
MAIN GEAR SHIFT X		STANDARD	STANDARD	STANDARD	STANDARD
RANGE GEAR SHIFT		4 X 3 / 4 X 6 (CREEP)	4 X 3 / 4 X 6 (CREEP)	4 X 3 / 4 X 6 (CREEP)	4 X 3 / 4 X 6 (CREEP)
NO OF SPEEDS		12 X 12	12 X 12	12 X 12	12 X 12
SHUTTLE TYPE		SYNCHRO SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	POWER SHUTTLE
MAIN GEAR SHIFT TYPE		STNCHRO MESH	STNCHRO MESH	STNCHRO MESH	STNCHRO MESH
RANGE GEAR SHIFT TYPE	MM (IN.)	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH
FLANGE TO FLANGE		1334	1455	1334	1455
BRAKE TYPE		WET MUTI DISC	WET MUTI DISC	WET MUTI DISC	WET MUTI DISC
DIFF . LOCK		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
FRONT WHEEL DRIVE SYSTEM		HYDRO MULTI WET	HYDRO MULTI WET	HYDRO MULTI WET	HYDRO MULTI WET
(4WD)		DISC CLUTCH	DISC CLUTCH	DISC CLUTCH	DISC CLUTCH
PTO ENGAGEMENT		WET MULTIDISK CLUTCH	WET MULTIDISK CLUTCH	WET MULTIDISK CLUTCH	WET MULTIDISK CLUTCH
REAR PTO TYPE		INDEPENDENT	INDEPENDENT	INDEPENDENT	INDEPENDENT
REAR PTO SPEED		540 / 540, 540E / 540, 540E, 1000 / 540, 540E, 1000, - 750	540 / 540, 540E / 540, 540E, 1000 /540, 540E, 1000, - 750	540 / 540, 540E / 540, 540E, 1000 /540, 540E, 1000, - 750	540 / 540, 540E / 540, 540E, 1000 /540, 540E, 1000, - 750
LIFT CAPACITY AT LIFT POINT	KGF	2075 (4575)	2075 (4575)	2075 (4575)	2075 (4575)

TG SERIES Transmission (80hp ~140hp)

Gear pump can be mounted on the transmission to increase pump capacity and selection range Transmission capable of responding to various customer needs such as shuttle, high-low, and peripheral speed
(Shuttle: Synchro or Power / Hi-Low: None or Adoption / Ambient Speed: Synchro or Power)
External hydraulic withdrawal porters capable of various operations (max. 6 front/6 rear)
Adoption of an external lifting cylinder with strong lifting power (100HP standard lifting power 3.73 8kgf)

Model (TD Series)		Manual		HST	
		TM	Axle	TM	Axle
Spec	Length (A) mm	1966	570	1966	570
	Width (B) mm	1726	1615	1726	1765
	Weight(kg.f)	1100	260	1150	250



AGRICULTURE	Unit	TG110T	TG110PT	TG120T	TG120PT	TG130PT	TG300PT
POWER RATING	HP	89.2 / 91.2 / 99.2	89.2 / 91.2 / 99.2	93 / 103 / 110 / 125	93 / 103 / 110 / 125	125	140
MAX REAR TIRE SIZE		18.4 - 34	18.4 - 34	18.4 - 34	18.4 - 34	18.4 - 34	460 / 85R38
TRANSMISSION DATA		MECANICAL	POWER SHUTTLE	MECANICAL	POWER SHUTTLE	POWER SHUTTLE	POWER SHUTTLE
MAIN GEAR SHIFT X		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
RANGE GEAR SHIFT		4 X 4 / 4 X 3	4 X 4 / 4 X 4X2	4 X 4	4 X 4 X 2	8 X 2 X 2	8 X 2 / 8 X 2 X 2
NO OF SPEEDS		16 X 16 / 12 X 12	16 X 16 / 32 X 32	16 X 16	32 X 32	32 X 32	16 X 16 / 32 X 32
SHUTTLE TYPE		SYNCHRO SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	POWER SHUTTLE	POWER SHUTTLE	POWER SHUTTLE
MAIN GEAR SHIFT TYPE		SYNCHRO	SYNCHRO	STNCHRO MESH	STNCHRO MESH	WET MULTI DISC	WET MULTI DISC
RANGE GEAR SHIFT TYPE	MM (IN.)	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH	CONSTANT MESH
FLANGE TO FLANGE		1576	1576	1726	1726	1726	1756
BRAKE TYPE		WET MUTI DISC	WET MUTI DISC	WET MUTI DISC	WET MUTI DISC	WET MUTI DISC	WET MUTI DISC
DIFF . LOCK		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
FRONT WHEEL DRIVE SYSTEM		HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH	HYDRO MULTI WET DISC CLUTCH
(4WD)							
PTO ENGAGEMENT		WET MULTI DISK CLUTCH	WET MULTI DISK CLUTCH	WET MULTI DISK CLUTCH	WET MULTI DISK CLUTCH	WET MULTI DISK CLUTCH	WET MULTI DISK CLUTCH
GROUND SPEED PTO		5.465 / 10.886	5.465 / 10.886	5.7 / 7.6 / 10.4	5.7 / 7.6 / 10.4	STD.	OPT.
REAR PTO SPEED		540 / 1000	540 / 1000	540,750, 1000 / 540, 750	540,750, 1000 / 540, 750 / 540,1000	540, 540E, 1000	540, 540E / 540, 1000
LIFT CAPACITY AT LIFT POINT	KGF	2075 (4575)	2075 (4575)				

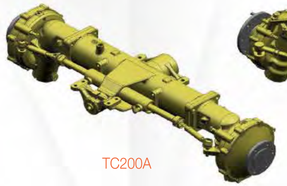
Driveline Front Axle

Sub Compact

TB110A/TB200A

TD200A

Compact



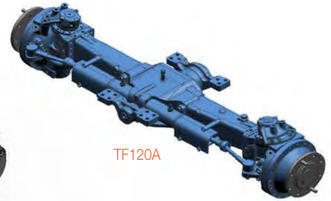
TC200A

TE130A

Utility & Agriculture

TG110A/TG300

TG LSD

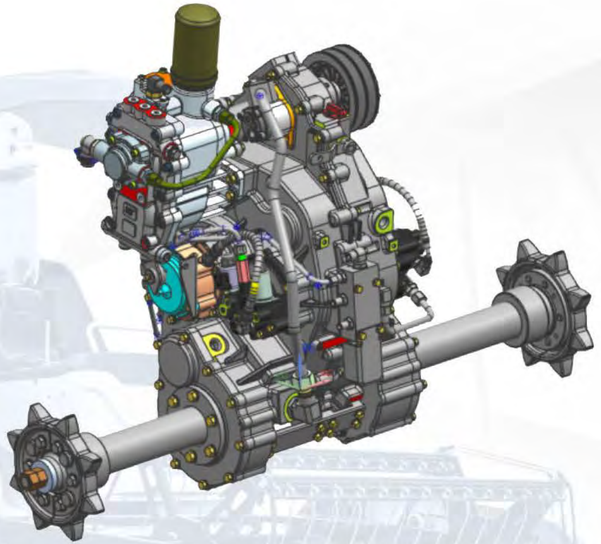


TF120A

FRONT AXLE	Unit	TB110A	TB200A	TD200A	TC200A	TE130A
POWER RATING	HP	28~33	24.5	58	50	60
MAX INPUT SPEED	RPM	2690	2158	3331	2800	3146
MAX TIRE SIZE		7-12	5-12	9.5-16	7-16	9.5-18
OIL CAPA	L	3	2	5.6 / 4.8	6	6.1
TOE-IN	MM	2~8	2~8	2~8	2~8	2~8
TOTAL RATIO		15.35 : 1	11.0 : 1	15.8 : 1	15.8 : 1	15.8 : 1
DYNAMIC LOAD CAPACITY (FRONT LOADER)	KGF	1300	868	2300	1650	2400
FLANGE TO FLANGE	MM	1014 / 1074	930.2	1366 / 1246	1238, 1138	1436
MAX STEERING ANGLE	DEG	41	47.9	56 / 38	55	55
DIFFERENTIAL		OPEN	OPEN	OPEN	OPEN	OPEN

FRONT AXLE	Unit	TG300	TG LSD
POWER RATING	HP	58	58
MAX INPUT SPEED	RPM	3331	3331
MAX TIRE SIZE		9.5-16	9.5-16
OIL CAPA	L	5.6 / 4.8	5.6 / 4.8
TOE-IN	MM	2~8	2~8
TOTAL RATIO		15.8 : 1	15.8 : 1
DYNAMIC LOAD CAPACITY (FRONT LOADER)	KGF	2300	2300
FLANGE TO FLANGE	MM	1366 / 1246	1366 / 1246
MAX STEERING ANGLE	DEG	56 / 38	56 / 38
DIFFERENTIAL		OPEN	OPEN

FRONT AXLE	Unit	TG110A	TF120A
POWER RATING	HP	50	85
MAX INPUT SPEED	RPM	2800	3927
MAX TIRE SIZE		7-16	11.2-24
OIL CAPA	L	6	10
TOE-IN	MM	2~8	2~8
TOTAL RATIO		15.8 : 1	18.8 / 19.6 : 1
DYNAMIC LOAD CAPACITY (FRONT LOADER)	KGF	1650	3300
FLANGE TO FLANGE	MM	1238, 1138	1561
MAX STEERING ANGLE	DEG	55	55
DIFFERENTIAL		OPEN	OPEN



Combine

We possess a variety of transmissions that can be selected (mechanical type 4, 5, 6 group and hydraulic type 6 group transmission).

Transmissions that can be serviced even at the work site by applying a detachable drive sprocket that is very easy to maintain

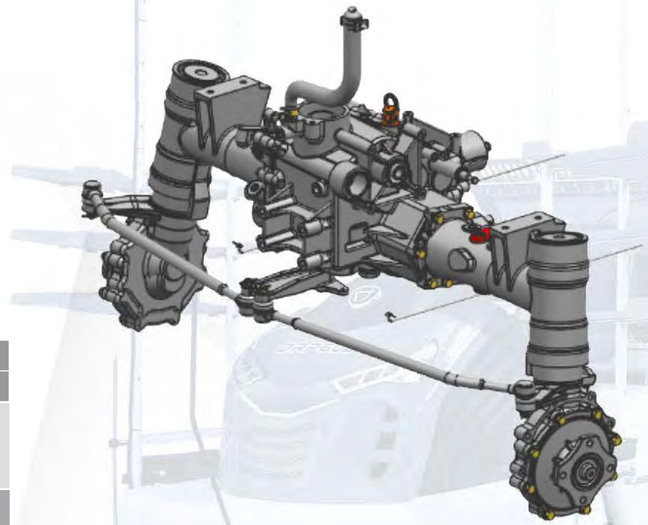
COMBINE TRANSMISSION					
Classification	**Unit**	**DSM72G(C)**	**DSF75GT**	**DXM85G(C)**	**DXM110G(C)**
POWER RATING	HP	72	73	85	102
TRANSMISSION DATA					
Work Speed	m/s	0.98 x 1.62 x 2.46	1.00 x 1.30 x 1.86	1.15 x 1.30 x 1.86	1.68
Transmission Type (Lane Width X Standard X Travel)	-	Hyd CVT Servo HST	HST	Hyd CVT Servo HST	Hyd Contunuos Varuable Transmission
Crawler Center Distance	mm	1030	1250	1185	1200
Cutting Row	-	4	4	5	6

Rice Planter

Product that we have been producing for 50 years that has been verified to be of perfect quality

Diversity of work is secured by applying a transmission capable of power blowdown to enable external work on the left and right sides

RICE PLANTER TRANSMISSION			
Classification	**Unit**	**ERP60DS**	**ERP60S**
Adaptoble M/C Size (Length x Width x Height)	HP	72	73
TRANSMISSION DATA			
No of Transmission Steps	-	Forward : 2 Backward : 1	Forward : 2 Backward : 1
Transmission Type	m/s	1.7	1.7
Work Speed	mm	650 x 950	650 x 900
Front Wheel x Rear Wheel	-	11EA, 170 x 100	11EA, 150 x 100



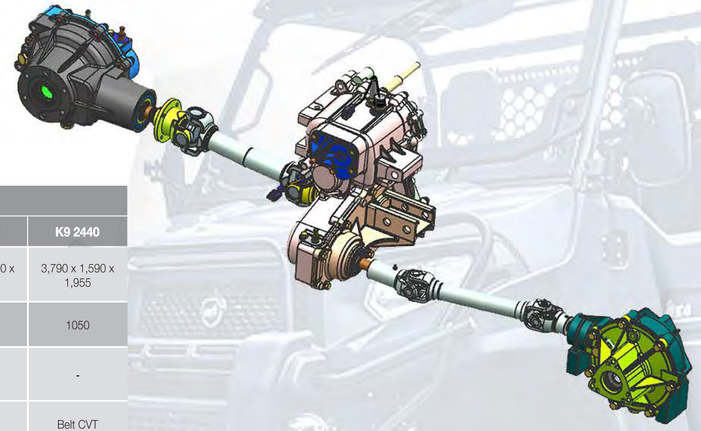
Cultivator

A transmission that can work in any situation by mounting a differential fixing device inside the transmission
Transmission with semi-permanent durability by applying cold forged bevel gear

CULTIVATOR (Tiller) TRANSMISSION		
Engine	Title	ND10DE
	Format	Horizontal type water-cooling 4 cycle one-cylinder diesel engine
	Combustion chamber format	Direct injection type
	Total displacement (cc)	673
	Continuous rated power	10
	Max.power (ps/rpm)	13
	Fuel	Diesel
	Fuel tank capacity (ℓ)	11
	Engine oil capacity (ℓ)	2.8
Length x Width x Height (cm)		239 x 95 x 147
Wegiht (engine included, kgf)		383
Wegiht (engine and rotary included, kgf)		469
Longitudinal driving type		Side driving type
Major clutch format		Disk friction type (dry multiple disks)
Steering clutch format		Hook-type side clutch (dog clutch)
Brake format		Internal expansion (wet)

UTV

CVT transmission capable of changing speed of the main transmission without going through steps
Powertrain equipped with drive on-off function to enable towing and escape on any terrain
Transmission with a power take-off device (PTO) installed so that a variety of work machines can be attached, securing diversity of work



UTV TRANSMISSIONS						
Classification		Unit	MEC2230SHW	MEC2240SHW	K9 2400	K9 2440
Body size	Length X Width X Height	mm	3,250 x 1,543 x 1,940	3,725 x 1,543 x 1,940	3,045 x 1,590 x 1,950	3,790 x 1,590 x 1,955
	Weight	kg	890	901	930	1050
Max. pulling load		kg	590	590	-	-
Driving device	Transmission method	-	CVT	CVT	Belt CVT	Belt CVT
	No. of transmission steps	-	L, H, N, R	L, H, N, R	4	4
	Max. driving speed	km/h	40	40	0-50	0-50
Tire	Front wheel		25×10-12	25×10-12	25×10-12	25×10-12
	Rear wheel		25×10-12	25×10-12	25×10-12	25×10-12

Industrial Machinery Application

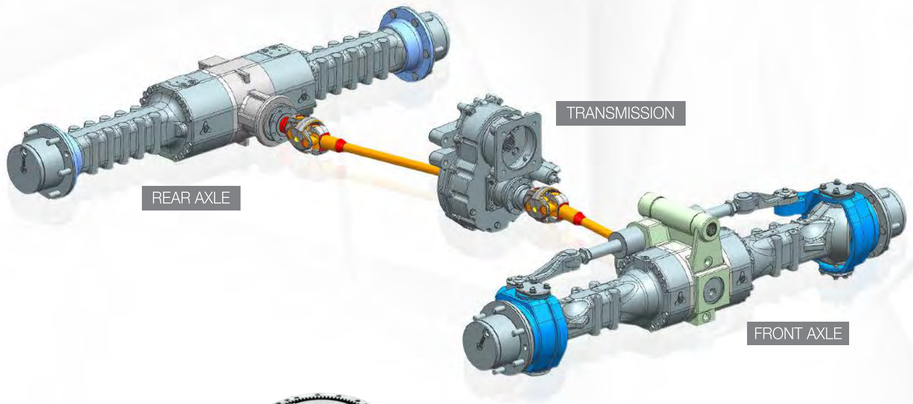
Travel Reduction | Swing Reduction | Drive Axle & Transmission

Daedong Gear manufactures and supplies a variety of travel and swing assemblies verified through field and bench testing to meet the demand of the crawler/wheel excavator market.

Our products which we have been supplying for over 20 years have been recognized for their technology and quality in the global excavator market. The design of our products could be combined with various travel & swing hydraulic motors for its compatibility to adapt to excavators.

Daedong Gear is a global supplier of drive lines designed to meet the unique needs of construction machinery vehicles such as wheeled excavators. Each drive line component is manufactured and tested to meet customer specific requirements. In addition, we are producing 1- to 5-ton excavator transmissions and axles implementing optimal design functions.

Swing Reduction, Travel Reduction, Axle Transmission




Driving decelerator


Turning decelerator

Driving decelerator TM / DM Series

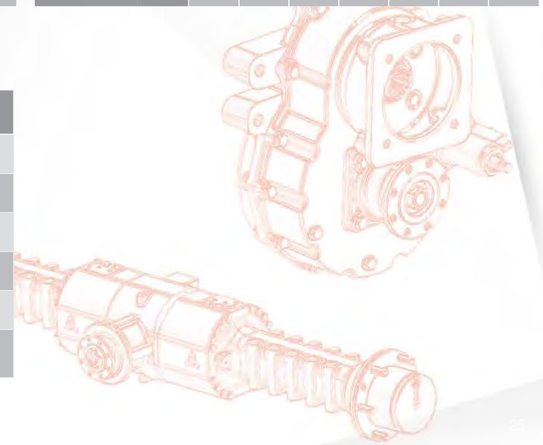
Model			DM Series				TM Series						
Reduction Gear Spec	Gear Ratio	-	48.63	58.94	53.70	45.97	54.46	53.70	39.14	49.95	46.12	54.47	68.23
	Max. Output Torque	N - M	4,300	7,350	8,340	10,790	12,250	23,340	34,200	45,610	68,640	78,400	102,430
	Max. Output Speed	rpm	70	90	60	60	70	60	56	60	52	45	40
Construction machinery vehicles (t)			3 - 3.5t	4 - 5.5t	5 - 7t	7 - 8t	8 - 10t	14 - 16t	15 - 18t	20 - 26t	30 - 34t	36 - 42t	45 - 55t

Turning decelerator TSM Series

Model			TSM Series						
Reduction Gear Spec	Gear Ratio	-	19.46	19.46	19.06	21.58	24.73	19.56	21.96
	Max. Output Torque	N - M	2,453	3,924	6,867	15,696	19,620	23,544	26,487
	Max. Output Speed	rpm	100	85	80	75	70	70	65
Construction machinery vehicles (t)			5 - 6t	7 - 8t	13 - 17t	17 - 25t	29 - 32t	34 - 42t	34 - 42t

Axle Specification

Classification	Front Axle	Rear Axle	Transmission
F to F	1,532mm	1,530mm	-
Full width	1,732mm	1,730mm	342mm
Full height	390mm	242mm	430.5mm
BCD	N*6 - Φ205	N*6 - Φ205	-
Flange	DIN 120	DIN 120	DIN 120
Reduction ratio	1:13,647	1:13,647	1st 1:4.06 2nd 1:1.31

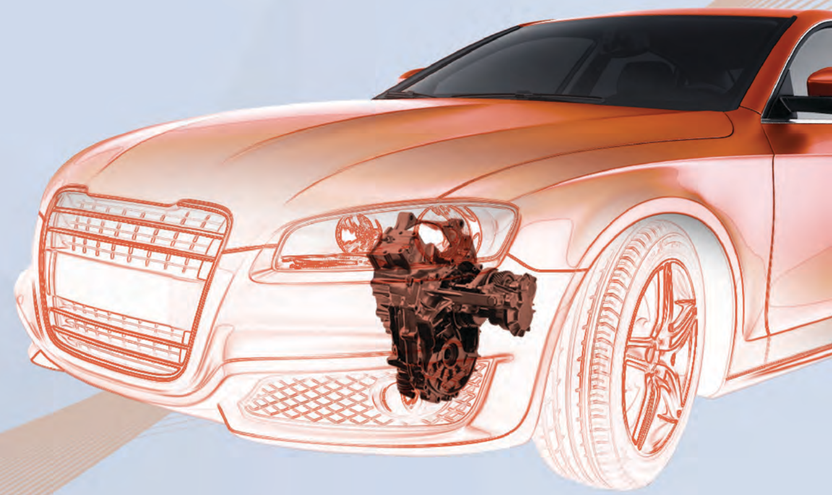


Automotive Parts

Automatic I Manual Gears I Shafts & Assembly

The quality of gears and shafts for passenger car transmissions can only be assured when ultra high-precision and diverse manufacturing technologies are secured.

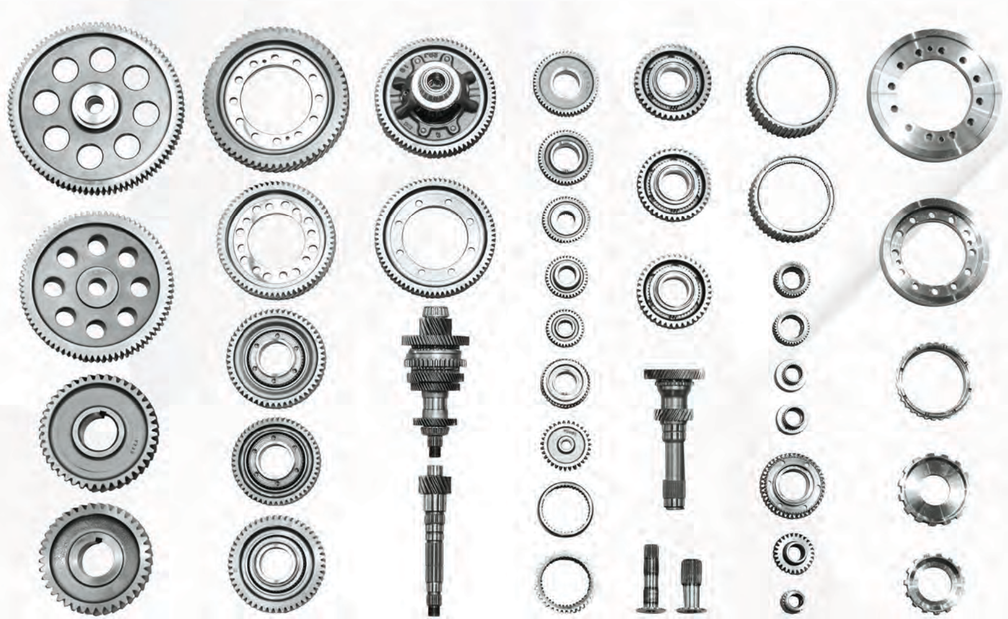
- Cutter shape management technology capable of minimizing noise and vibration
- Heat treatment technology requiring durability beyond the vehicle life
- Optimized production system capable of supplying the customer's production line



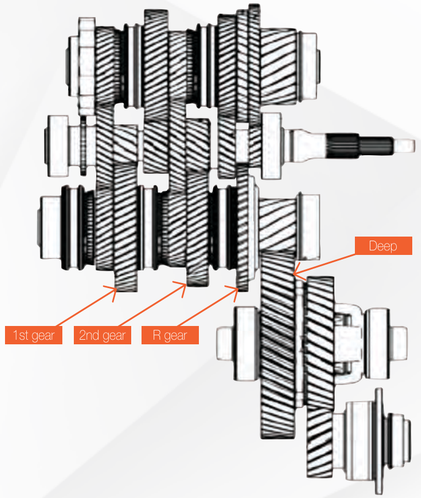
Daedong Gear has the ability and technology to produce all types of gears. Everything from agricultural machinery gear parts with various characteristics to automobile gear parts that are ultra precise and require mass production. We are also ready to respond to any customer demands related to power transmission systems

Gears

Spur | Helical | Spur Bevel | Spiral | Internal | Worm | Rack Gears

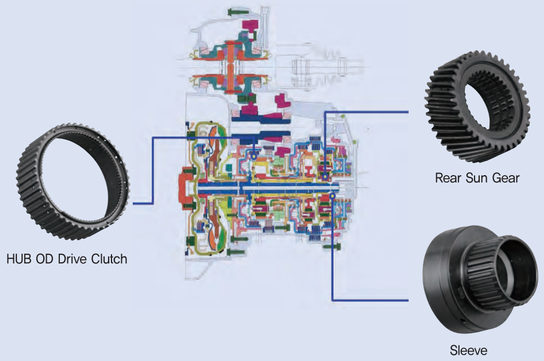


DCT Transmission (7Stage, 8Stage)

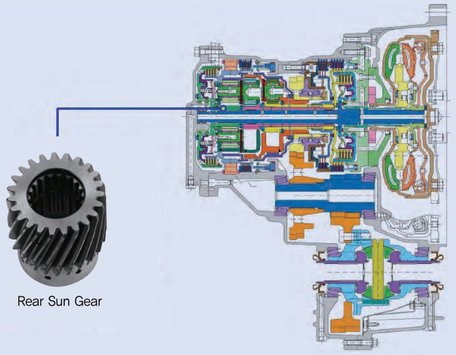


Front Stage Transmission

Front 8 Stage Transmission



Front 6 Stage Transmission



Accessories


Sleeve Low Gear


Differential Gear


Differential Assembly


Driver Gear(Tank)


Driven Gear(Tank)


Bevel Gear


Counter Sub Assembly


Counter Shaft


Driven Gear(Tank) Shaft


Bevel Gear


Counter Sub Assembly

R&D

Technology Research Center (Present)

Since our founding in 1947, Daedong Group has achieved high labor productivity and has provided convenience to mechanize Korean traditional agriculture field. The first company to lay the foundation for the modern agricultural machinery industry.

Daedong Gear was separated from Daedong Group and independently operated since May 29, 1973. By securing the ability to develop and mass-produce gears and shafts, which are key parts of the powertrain, we not only contributed to the development of the national industry, but were also able to localize agricultural machinery missions and axle assemblies.
Based on our experience in producing powertrain parts for agricultural machinery and accumulated technology, we have the ability to develop and produce various power transmission devices ranging from automobile transmission, sub-assembly, and excavator reducer assemblies.

1973 Founded Daedong Gear

1978 Designated as a specialised auto parts company

1996 Transmission production

2005 Establishment of research institute

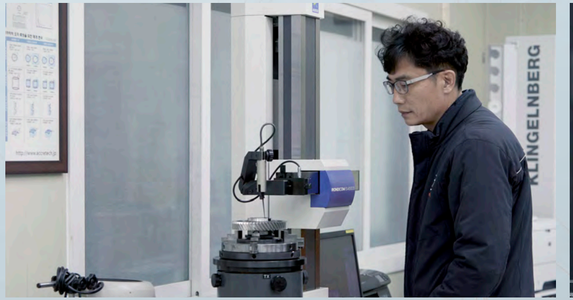
Future Technology Research Center

Daedong Gear will do its utmost to develop mobility products that enrich human life and enable freedom of movement based on our vast and diverse experience and technology accumulated over 50 years.

1. We will do our best to develop technologies that can enable the production of precision agricultural machinery. We will enrich people's lives by developing powertrains that can control speed and load with high precision and that can be applied to autonomous agricultural machinery.

2. In line with the changing paradigm of the automobile industry into electric and hydrogen vehicles, we will do our best to develop various driving devices for electric vehicles. We will strive to develop various motorized parts, from electric vehicle reducers with low noise and low vibration at over 20,000 rpm, to compact precision control reducers.

3. In the future, the demand for robots to replace human labor is expected to increase. We are interested in core technologies related to robotics and will prepare for the future by researching and developing such technologies.



Company Layout

A global company that strives for customer satisfaction

In the future, the Fourth Industrial Revolution will usher in a new order in the world.
Daedong Gear R&D Center aims to develop ICT-integrated products, and through advanced technology, we will aim for even greater customer satisfaction and will conduct extensive research so that we may confidently advance to become a top leader on the global stage.

Production Facility

Total number of units 427

- 28 vehicles/tools
- Gear processing 369 units
- Heat treatment 24 units
- Assembly 6 lines

MCT-34

CNC Vertical Machine Center

CVL-3

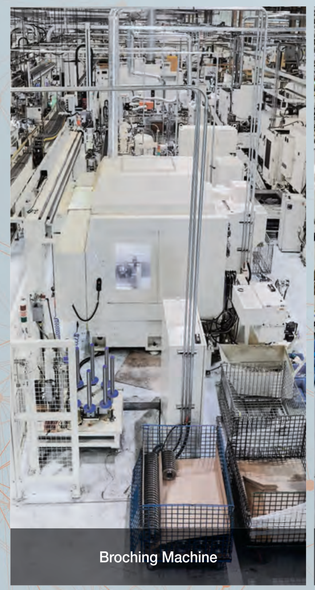
CNC Vertical Lathe

CVL-3

Servo Piercing Machine

Production Facility

BR-16

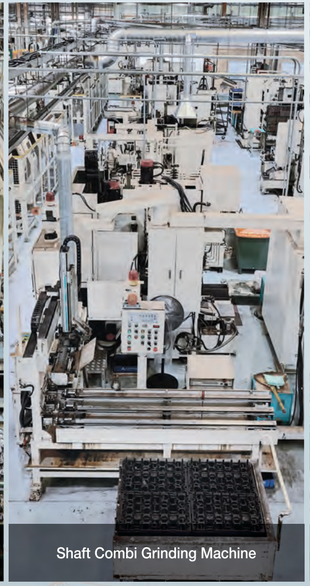


Broching Machine

GTT-11

CNC Gear Grinding Machine

SCG-2



Shaft Combi Grinding Machine

GHM-2

Gear Horning Machine

Production Facility

GTT-9

CNC Gear Grinding Machine

GTM-43

Gear Measuring Machine

GTT-10

CNC Gear Grinding Machine

SBG-12

Spiral Bevel Cutting Machine

Global Network

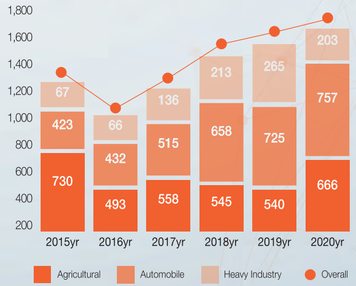
Daedong Group has established subsidiaries in the United States, Canada, Europe, China, and Myanmar, providing the best products and services, and pioneering overseas markets.

Annual Sales

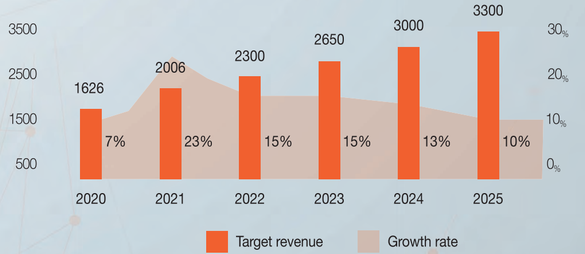
Daedong Gear is experiencing remarkable sales growth every year with our excellent technology and sales of various products

2020 sales revenue : 1626 | Agriculture : 666 | Automobile : 757 | Industrial : 203

Annual sales



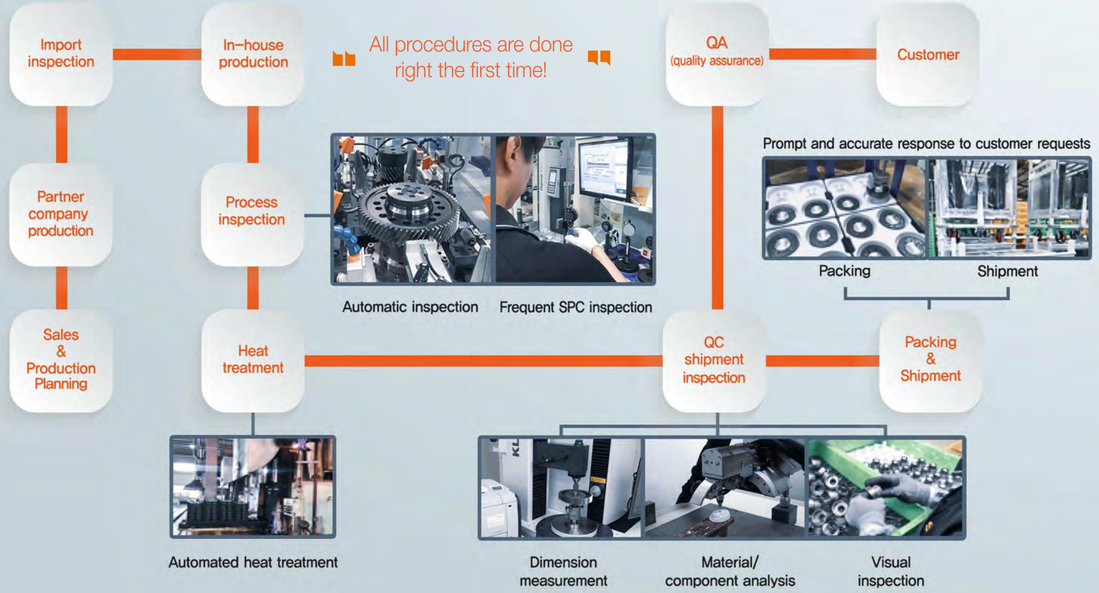
Daedong Gear Co., Ltd. mid- to long-term sales and growth target [Unit: KRW 100 million,%]



20yr portion

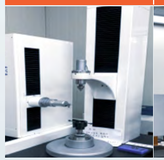
Quality Process (Quality assurance Process)

Daedong Gear's main products are automobile gears and shafts, agricultural machinery transmissions, and axles, and construction machinery reduction devices, and our quality policy places top priority on customer satisfaction through defect prevention, performance management through continuous improvement, and reduction of deviations in manufacturing processes and waste.



Quality assurance measurement equipment

Dimensional inspection

Tooth-type	3D measurement	Roundness	Illumination	Shape	Tensile	Compression bevel gear tester
						

Heat treatment

Hardness	Hardened layer	Structure	Residual stress
			

Material inspection

Tensile test	Component analysis	Washer
		

Awards & Certificates

Daedong Gear has secured a wide range of certifications and qualifications to meet customer requirements, product-related laws, technical standards, and quality requirements.

International Standard Environmental Certification System
ISO 14001 : 2004

Health & Safety Management System
OHSAS 18001 : 2007

Quality Management System
IATF 16949 : 2016

Awarded Excellent Supplier Award (GM)

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