



Breathing Life into Steel

철 에 혼 을 담 는 기 업 , 건 화



www.kunhwamc.com

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차가운 **철**에 뜨거운 **혼**을 담다

Awakening the **Spirits** through our Passion,
Bringing **Steel** to Life.

KUNHWA

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Company Profile

Overview



Core Business



건설기계
사업부



Construction Equipment
Division



조선해양
사업부



Shipbuilding & Offshore
Division



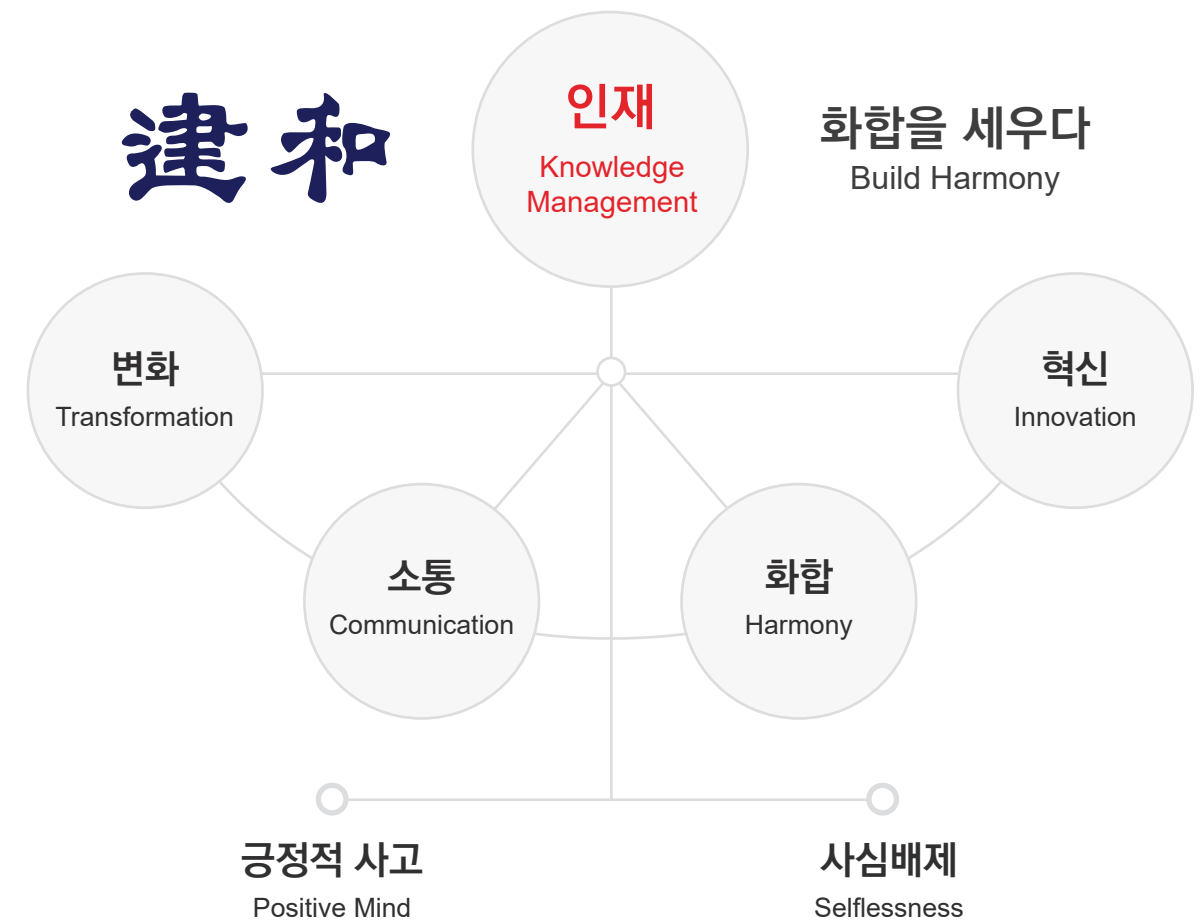
자원재활용
사업부



Steel Recycling
Division

Business Philosophy

Knowledge management is the foundation of our company in which we communicate in a harmonious environment to bring transformation that drives innovation, silently impacting the world.



Symbol



하나된 마음으로 세상을 밝히다.
Shining a light in the world, together in unity

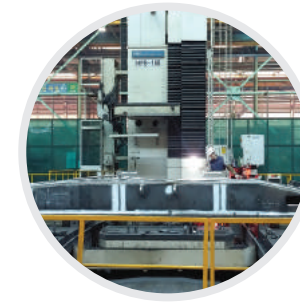
건화의 심볼마크는 하나의 광원으로 세상을 밝히는 태양처럼 소통과 화합을 통한 하나된 마음으로 세상을 조용히 변화시키는 건화의 혁신 의지를 상징합니다.

Kunhwa's logo symbolizes our will to always innovate and unobtrusively bring better changes to the world through a unified approach, as the logo itself resembles the sun that lights up the world as our one light source.

History

건화가 걸어온 길 30년은 대한민국 건설기계 제관부품의 역사입니다.
이제, **글로벌 시장**을 선도하는 **혁신**의 새 역사를 열어갑니다.

Kunhwa's 30 years journey is also South Korea's history of Heavy Fabrication for CE parts. In today's current market, we are witnessing a new chapter in history of innovation, leading the global economy.



- 1974
 - 자원재활용 사업 창업
 - The start of steel recycling business
- 1993
 - 건화기업, 건화기계공업 법인설립
 - Establishment of Kunhwa
- 1994
 - 삼성중공업 굴삭기 제관품 공급
 - Supplier of excavator parts for Samsung Heavy Industry
- 1995
 - 삼성중공업 지게차 제관품 공급
 - Supplier of forklift parts for Samsung Heavy Industry
- 1996
 - 대우중공업 굴삭기 제관품 공급
 - Supplier of excavator parts for Daewoo Heavy Industry
- 1998
 - 볼보건설기계 굴삭기 제관품 공급
 - Supplier of excavator parts for Volvo CE
- 2003
 - 볼보건설기계 굴삭기 대형 제관품 공급
 - Supplier of excavator heavy fabrication parts for Volvo CE
- 2008
 - 법인 통합 및 창원 공장 신축 이전
 - Corporate integration & transfer of new factory in current location, Changwon

- 2018
 - 월드클래스 300 기업 선정
 - Selected as a World Class 300 Company in Korea
- 2017
 - 현대건설기계 중형굴삭기 하부프레임 공급
 - Supplier of excavator lower frame for Hyundai CE
- 2015
 - DHSP 산림굴삭기 제관품 공급
 - 수출 1억불 탑 수상
 - Supplier of forestry excavator parts for DHSP
 - Winner of 1 billion dollar prize for export
- 2013
 - 두산인프라코어 휠로더 제관품 공급
 - Supplier of wheel loader parts for Doosan Infracore
- 2011
 - 와라타 산림장비 제관품 공급
 - Supplier of forestry equipment parts for Waratah
- 2010
 - 일본 코벨코 크레인 제관품 공급
 - Supplier of crane parts for Kobelco Japan and USA
- 2009
 - 존디어 산림장비 제관품 공급
 - Supplier of forestry equipment parts for John Deere



Global Networks



KOREA

- Volvo
- Clark
- Doosan
- Hyundai



CANADA

- Deere-Hitachi Specialty Products



GERMANY

- Volvo



JAPAN

- Kobelco
- Nippon Sharyo



NEW ZEALAND

- Waratah



USA

- John Deere

HSE Management

무재해를 향한 혁신에 **인간존중**의 가치를 담다.

Innovation based upon creating a hazard free environment for our employees and developing a culture of respect.



Quality Management

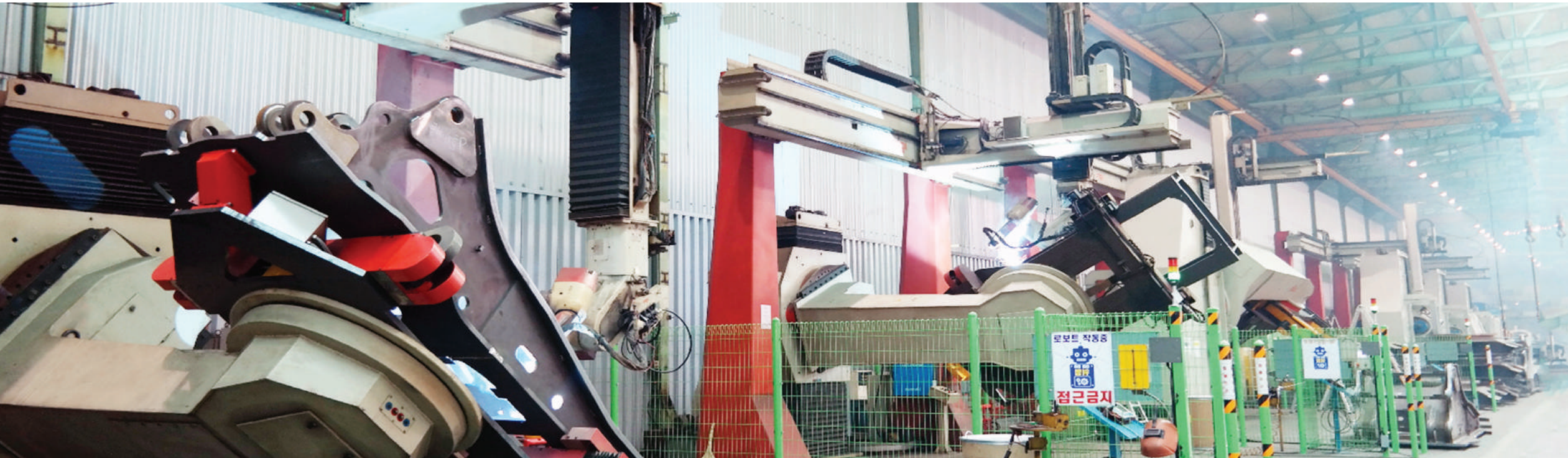
완벽한 품질경영으로 **고객성공의 동반자**가 되다.

Pursuing perfection in quality to align our achievement with our customer's success.

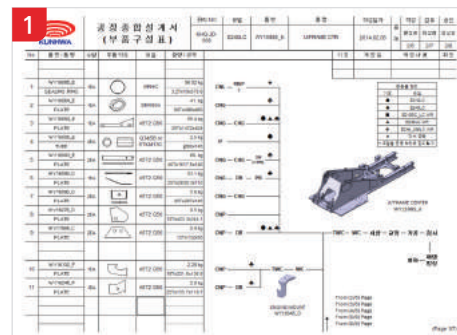


Competitiveness

Everything
under
ONE ROOF



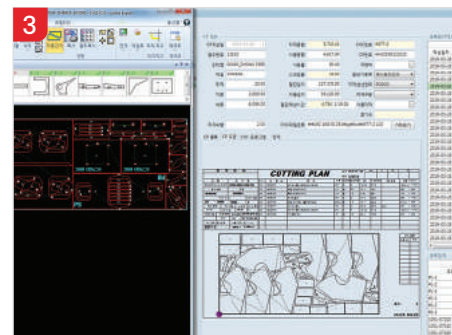
Process Analysis | 제조공정 분석



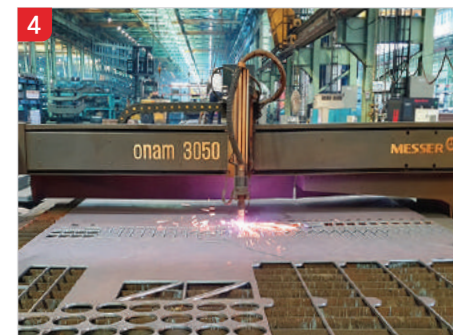
Material Input | 원자재입고



Nesting | 수율



Cutting | 절단



Pre-Machining | 단품가공



Welding | 용접



Machining | 후가공



Inspection | 검사



Blasting | 블라스팅



Painting | 도장



Final Inspection | 출하검사



Shipment | 출하



Competitiveness

엔지니어링, 현장과 숨쉬다

Engineering,
Coexisting within the
project sites

건화의 엔지니어링은 다양한 실무경험과 현장과의 조화를 통하여 완벽한 품질을 실현시키며, NX, CATIA, CREO 등 다양한 3D 모델링 소프트웨어를 지원하여 고객감동을 실현합니다.

Our engineering understands that the perfect quality products are obtained through vigorous efforts and experience, combined with enhanced communication within the workplace. Kunhwa also supports various 3D modeling software such as NX, CATIA, CREO in order to fulfill customers' needs.

원자재라인 Raw Materials Line

- 옥내보관
- 국내외 제철소와 직거래
- Indoor storage
- Direct procurement from global steel mills

절단라인 Cutting Line

- 가스 절단기 5대
- 플라스마 절단기 13대
- 레이저 절단기 3대
- Gas cutting machine : 5 units
- Plasma cutting machine : 13 units (HD included)
- Laser cutting machine : 3 units

가공라인 Machining Line

- Pre-Machining 전용라인 보유
- CAM & 툴링 융합 가공기술 보유
- Pre-Machining exclusive line
- CAM & Tooling fusion processing technology

용접라인 Welding Line

- 건설기계 제관품별 특화된 용접 로봇 보유
- 기술교육원 전문교육실시로 균질한 용접품질 확보
- Welding robots specialized in each parts
- Ensuring uniform welding quality through training by technical education center

도장라인 Painting Line

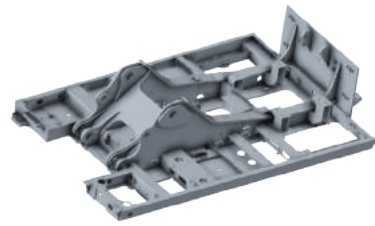
- 원적외선 도장건조설비
- 글로벌 환경, 안전기준 준수
- Far-infrared radiation dry equipment
- Global safety & environment standards

Excavators

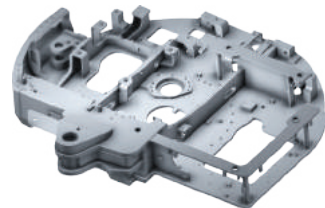
굴삭기

상부 프레임, 하부 프레임, 붐, 암, 버켓, 카운터웨이트 등 굴삭기 차체를 구성하는 모든 프레임 제작

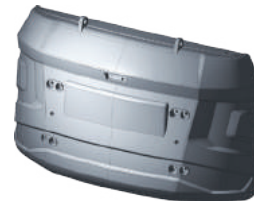
Fabrication for all of excavator frames such as upper frame, lower frame, boom, arm, bucket and counterweight



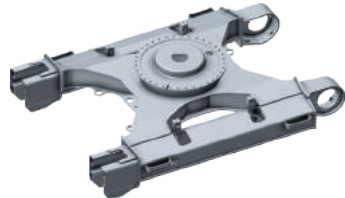
대형 상부 프레임
Upper Frame_large



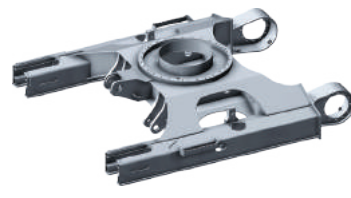
소형 상부 프레임
Upper Frame_small



카운터웨이트
Counterweight



대형 하부 프레임
Lower Frame_large



소형 하부 프레임
Lower Frame_small



암
Arm



붐
Boom



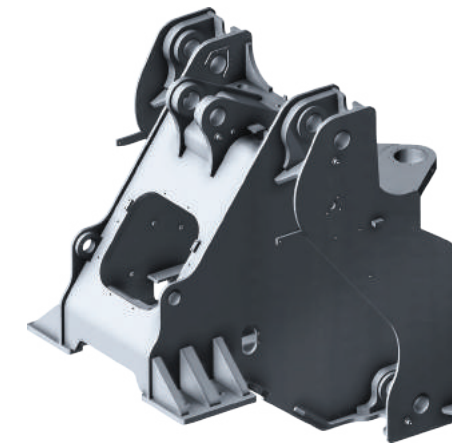
버켓
Bucket

Wheel Loaders

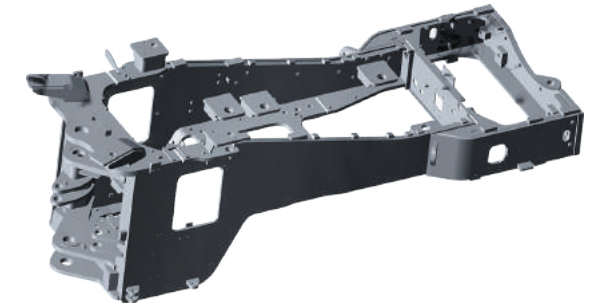
휠로더

프론트 프레임, 리어 프레임 및 벨크랭크 제작

Fabrication of front frame, rear frame and bellcrank for wheel loaders



프론트 프레임
Front Frame



리어 프레임
Rear Frame



벨크랭크
Bellcrank



Feller Bunchers

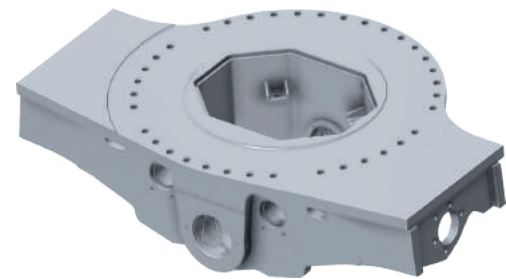
펠러번처

산림용 장비의 붐, 암, 틸트테이블, 트랙 프레임 제작

Fabrication of boom, arm, tilt table and track frame for forestry equipment



스틱 붐
Stick Boom



스윙 테이블
Swing Table



트랙 프레임
Track Frame



메인 붐
Main Boom



틸트 테이블
Tilt Table

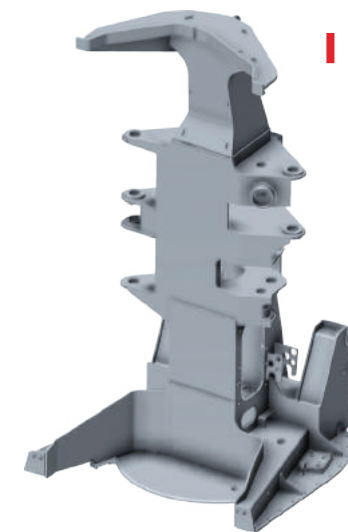


Attachments for forestry equipment

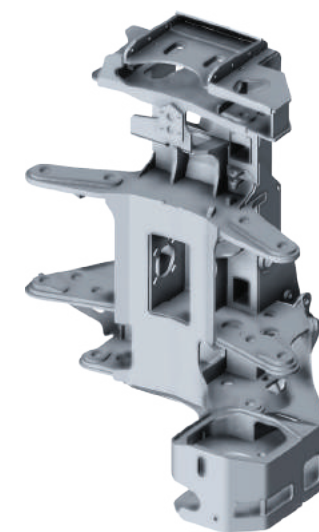
어태치먼트

산림용 장비의 벌목 및 수확용 어태치먼트 프레임 제작

Fabrication of attachments for feller bunchers and harvesters



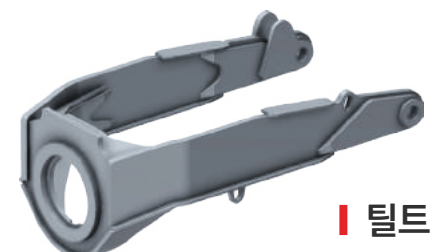
펠링헤드 프레임
Disk Saw
Felling Head Frame



프로세서 프레임
Processor Frame



DSFH 암
DSFH Arm



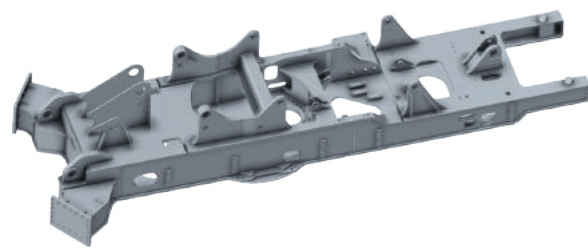
틸트 프레임
Tilt Frames

Cranes

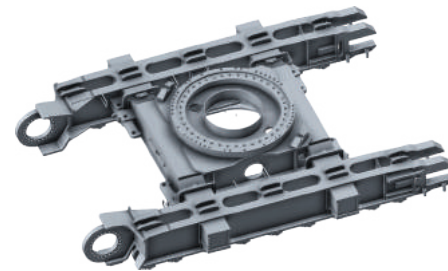
크레인

크레인의 상부 프레임, 하부 프레임, 크롤러 프레임 및 카운터웨이트 등 제작

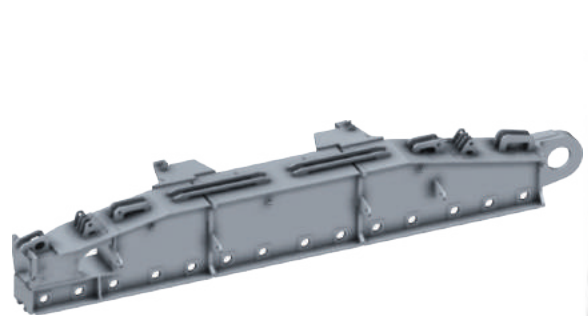
Fabrication of upper frame, lower frame, crawler frame and counterweight for cranes



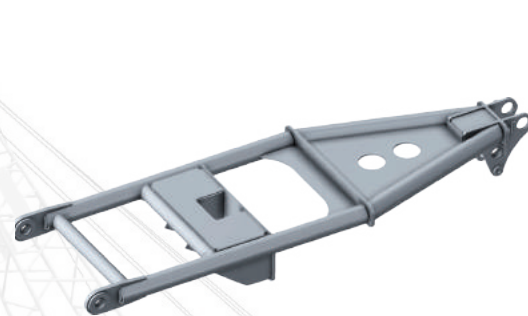
상부 프레임
Upper Frame



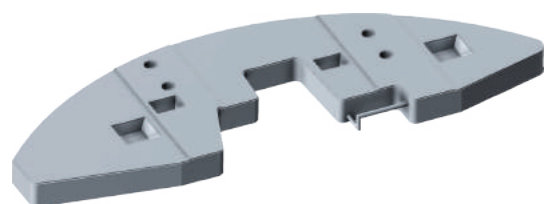
하부 프레임
Lower Frame



크롤러 프레임
Crawler Frame



호이스트 프레임
Hoist Frame



카운터웨이트
Counterweight

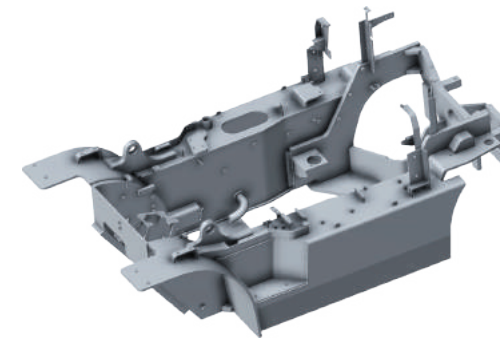


Forklifts

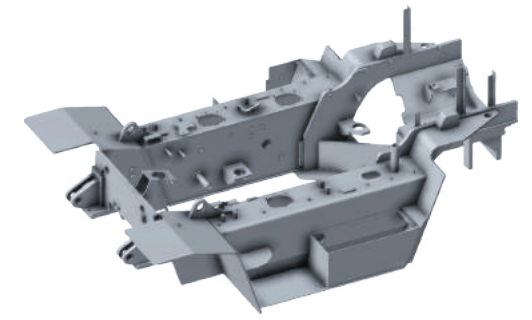
지게차

지게차 바디 프레임, 마스트 및 캐리지 제작

Fabrication of body frame, mast and carriage for forklifts



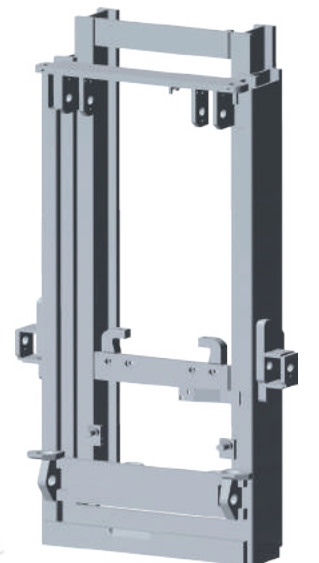
바디 프레임 - 4톤
Body Frame - 4ton



바디 프레임 - 8톤
Body Frame - 8ton



캐리지
Carriage



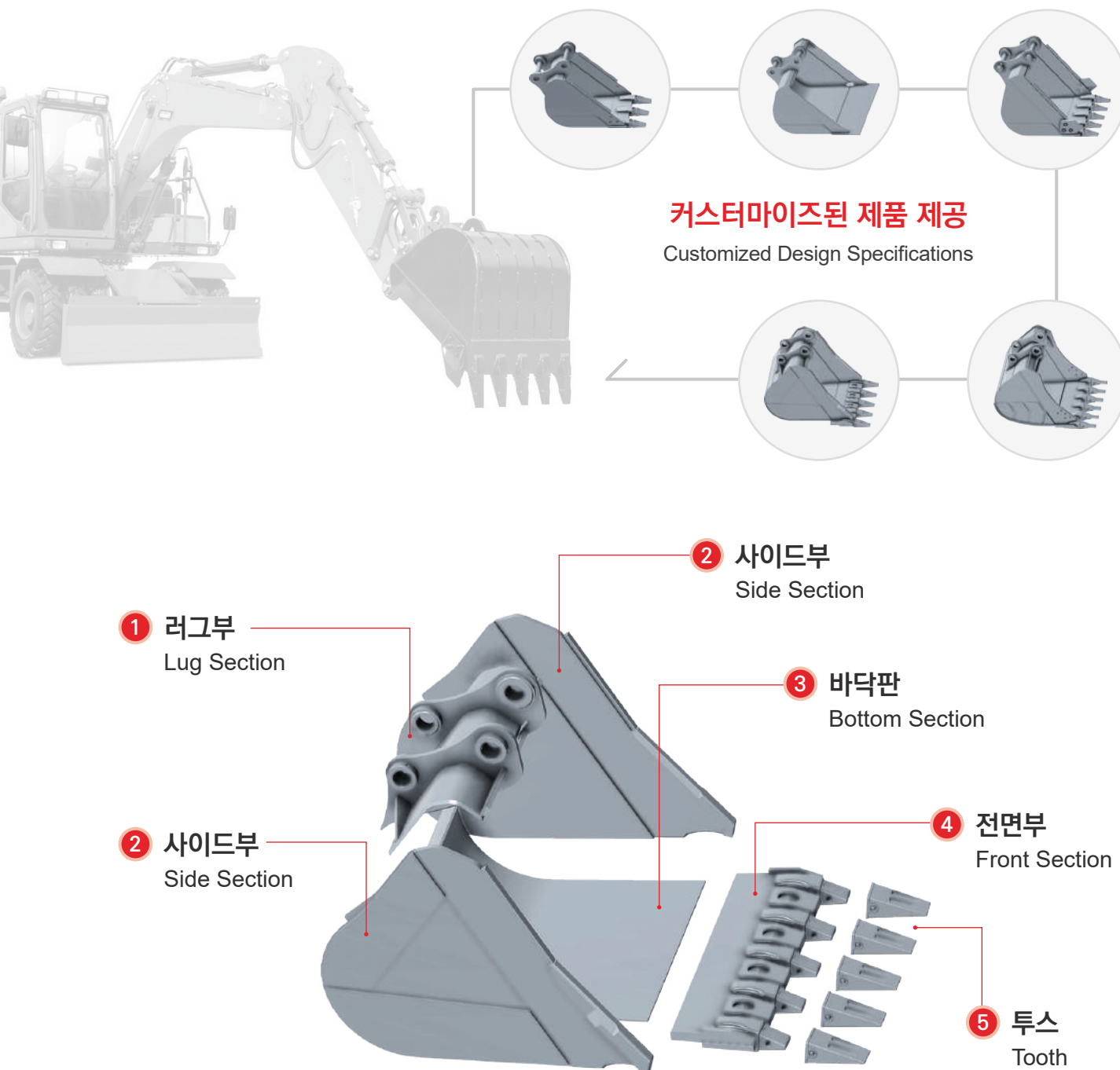
마스트
Mast

Modular Bucket

모듈러 버킷

고객의 다양한 주문에 신속하게 대응할 수 있는 모듈화 설계에 의한 버킷 생산

Bucket manufacturing by modular design that can respond quickly to various customer orders

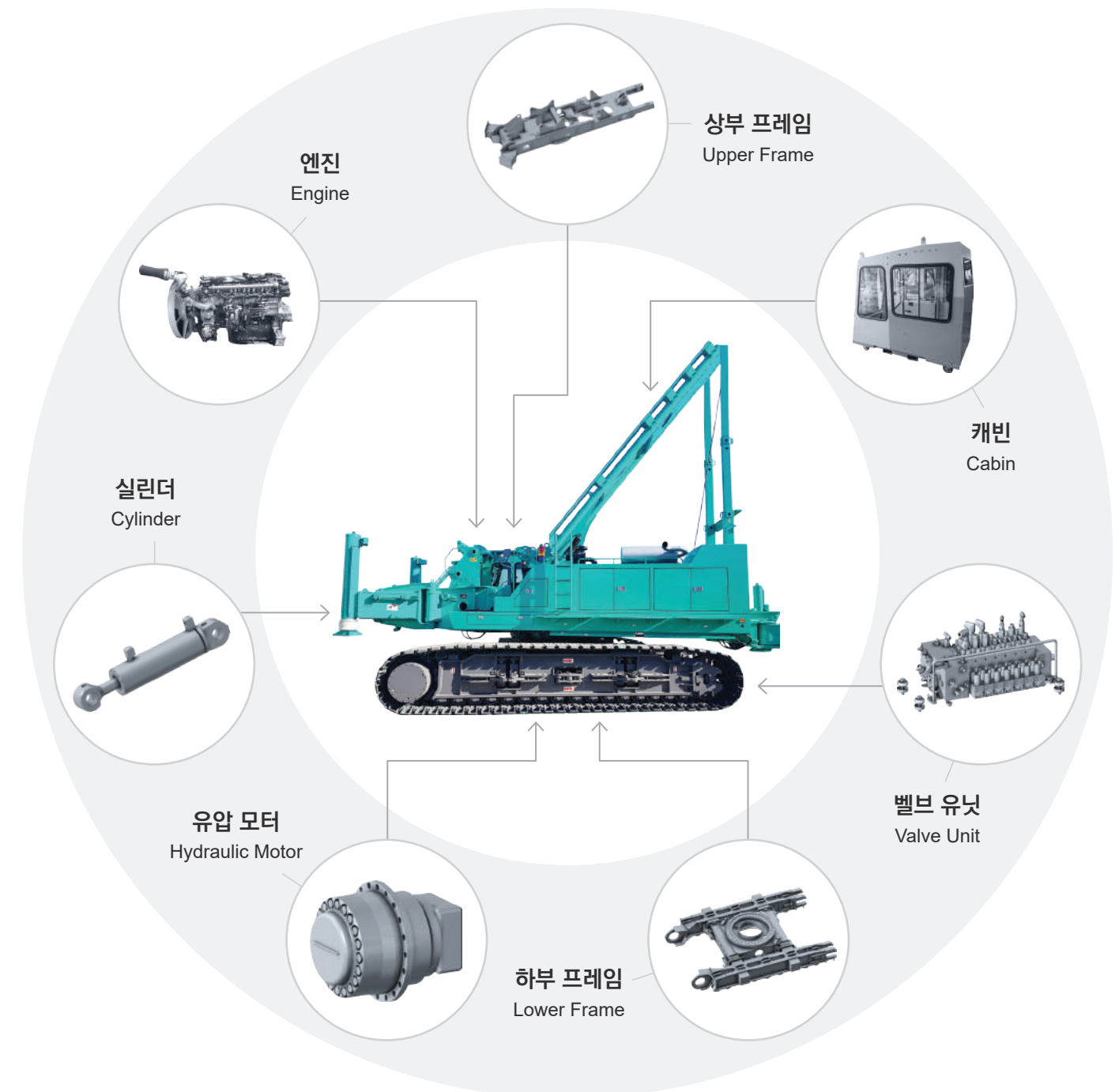


Assembly OEM

조립 OEM

축적된 제관 경험과 가공기술을 바탕으로 한 상호협업 및 연구를 통한 완성품 조립 OEM

Assembly OEM are engineered through intensive research and development, combined with advanced fabrication experience and machining technology



Technical Education Center



미래에
도전하라

Challenge your
Future

건화기술교육원

Kunhwa Technical
Education Center

정부와 공동으로 운영하는 건화기술교육원은 체계적인 교육시스템으로 우수인력을 양성하여, 건화 및 협약기업에 안정적인 인력수급과 일자리 창출에 기여하고 있습니다.

In collaboration with the South Korean Government, Kunhwa Technical Education Center has developed a systematic education system, fostering valuable talent and management. Through our esteemed human resources we have strategically allocated our work force and contributed to the national technological resource development and employment growth.

용접실습실

Welding Lab



캐드/캠/CNC 가공

CAD/CAM/
CNC Machining



Smart Factory

Digital Continuity

Single Data
within the Process

Process
Optimization

Reduced Cost of
Quality



철에 **혼**을 담는 기업, 전화 화합의 힘으로 글로벌 시장에 나아가다.

차가운 철이 뜨거운 열정과 만났을 때,
비로소 그 강인함이 가치를 지닙니다.
강철의 가치를 발휘하는 뜨거운 혼 그 중심에 건화인이 있습니다.

Breathing **Life** into **Steel**

Kunhwa, taking one step further through the
power of harmony

When the lifeless steel is combined with our passion, we know that the catalyst effect
unleashes an enormous amount of energy and potential. We the people of Kunhwa will always
be at the center of this transformation, as we all witness the power released within.

