



[www.mge.com.tr](http://www.mge.com.tr)

## WHO WE ARE ?



**KMC**  
STEEL SERVICE CENTER

Global Trader & 600.000 tons/year  
Kayseri & Kocaeli / TURKEY  
[www.kmc.com.tr](http://www.kmc.com.tr)



**meko** METAL

Profile Producer & 100.000 tons/year  
Izmir & Kocaeli / TURKEY  
[www.mekometal.com.tr](http://www.mekometal.com.tr)



**MGE**  
METAL DEVELOPMENT INDUSTRY

Steel Service Center & Cold Rolling Mill Plant  
64.000 tons/year & Kocaeli / TURKEY  
[www.mge.com.tr](http://www.mge.com.tr)



**ER-Bİ**

Clamp and Special Part Producer  
110.000.000 pcs/year & Kocaeli / TURKEY  
[www.tut.com.tr](http://www.tut.com.tr)



**KMC**  
— GROUP —

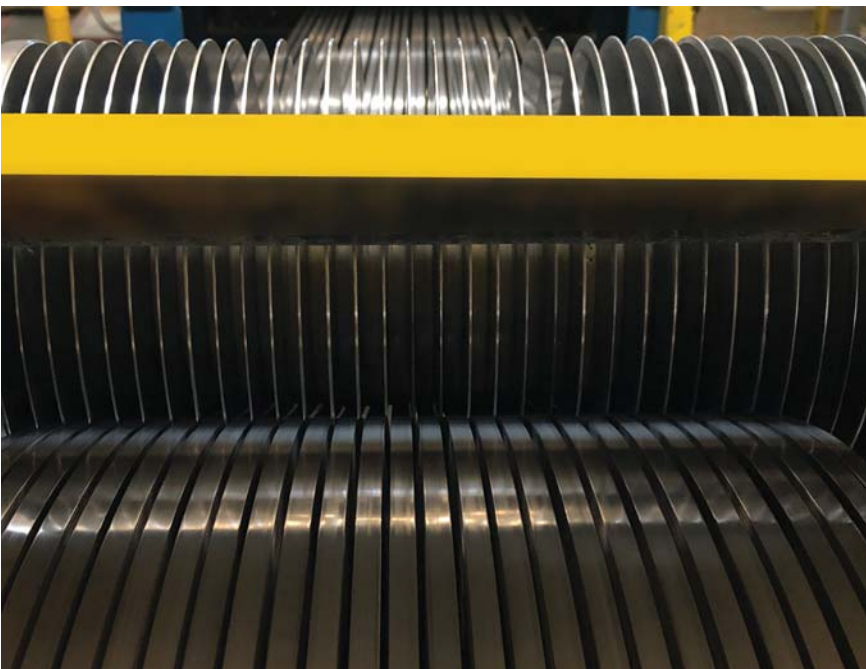
HAS CLOSE TO MILLION  
METRIC TONS TRADING VOLUME

**Göktas**

Steel Service Center  
Cold Rolling Plant - Profile Producer  
110.000 tons/year & Kocaeli / TURKEY  
[www.goktasmetal.com](http://www.goktasmetal.com)

## ABOUT US

Our enterprise was established in 1979 in İstanbul with the name Çemsan Çelik then been a part of KMC GROUP in 2003 and represented with the name MGE METAL DEVELOPMENT INDUSTRY. In 2014, MGE metal has been moved to modern production facilities of 10.000 square meters in Dilovası industrial Zone. We supply mainly to global automotive OEM producers, defense industry, white goods, durable goods, metal and machine industries. We support our customers cold rolled steel strips and plates with special tolerances case hardening steels, tempering steels, spring steels, classical cold rolled steels, low-alloy high-tensile steels in 64.000 tons annual production volume with specialized engineers.

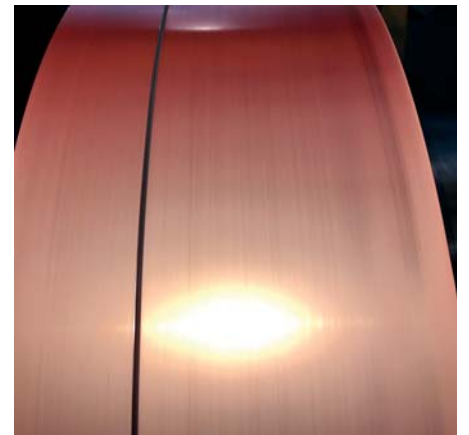


## OUR PRODUCTION

OUR PRODUCTION LINES	TYPE	THICKNESS (mm)	WIDTH (mm)
Reversible Cold Rolling Mill	4 Hi	0,50 ~ 8,00	380
Reversible Cold Rolling Mill	4 Hi	0,10 ~ 4,00	350
Reversible Cold Rolling Mill	4 Hi	0,20 ~ 4,00	250
Reversible Cold Rolling Mill	2 Hi	0,20 ~ 4,00	300
Cold Rolling Mill	2 Hi	0,10 ~ 2,00	200
Slitting Line	Pre Slitting	0,50 ~ 5,00	1500
Slitting Line	Slitting	0,50 ~ 5,00	650
Precision Slitting Line	Precision Slitting	0,10 ~ 1,00	400
Precision Slitting Line	Precision Slitting	0,30 ~ 2,00	500
Precision Cut to Length Line	Precision Cut Length	0,50 ~ 5,00	500
Edge Forming Line	Edge Condition	0,30 ~ 4,00	15 ~ 200
Batch Type Annealing Furnace	4 Bases	0,30 ~ 8,00	50 ~ 380
Batch Type Annealing Furnace	3 Bases	0,30 ~ 4,00	10 ~ 380
Surface Finishing Line	Grinding & Polishing	0,10 ~ 2,00	50 ~ 200
Oscillated Ribbon Coiler	Oscillated Coiler	0,30 ~ 2,00	7 ~ 30

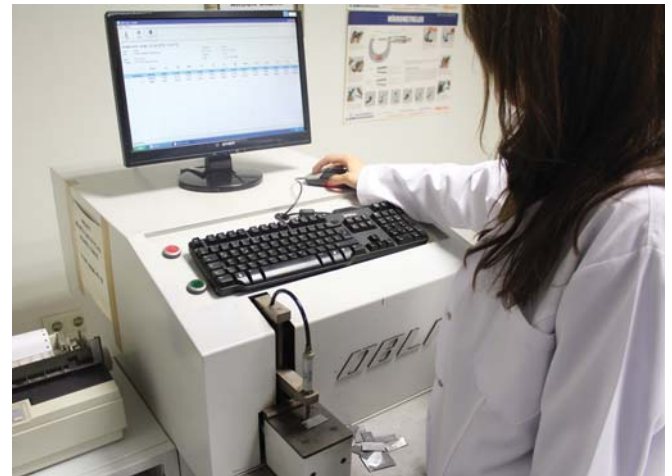


## OUR PRODUCTION



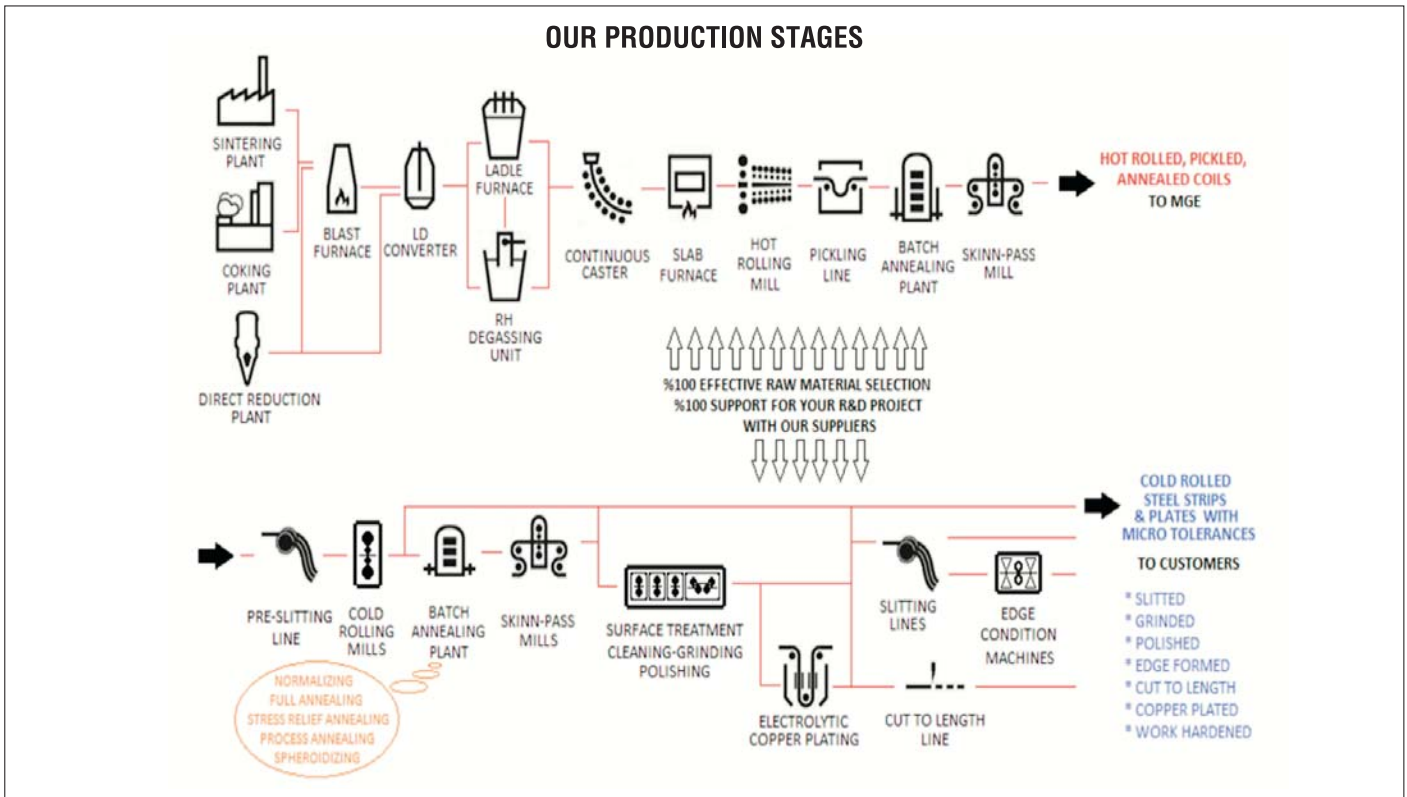
## OUR LABROTORY

MEASUREMENT EQUIPMENTS	PRODUCER
Tensile Tester	INSTRON
Spectrometer	OBLF
Hardness Tester	OTTO WOLPERT WERKE
Micro Vickers Hardness Tester	MITUTOYO
Surface Roughness Tester	MITUTOYO
Deep Drawing Tester	ERICHSEN
Microstructure Microscope	LEICA
Sample Preparation for Spectroscopy	METKON





## OUR PRODUCTION STAGES & PRODUCTS



CASE HARDENING STEELS	
Standards	EN 10132-2:2000
Grades	<b>C10E / C15E / 16MnCr5</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139

TEMPERING STEELS	
Standards	EN 10132-3:2000
Grades	<b>C22E / C30E / C35E / C40E / C45E / C50E / C55E / C60E / 34CrMo4 / 42CrMo4</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139

SPRING STEELS	
Standards	EN 10132-4:2003
Grades	<b>C60S / C67S / C75S / 51CrV4 / 58CrV4</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139

BORON ALLOYED STEELS	
Standards	EN 10083-3:2007
Grades	<b>20MnB5 / 30MnB5</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139



## OUR PRODUCTS

CONSTRUCTION STEELS	
Standards	EN 1623:2009
Grades	<b>ST37-3G / ST44-3G / ST52-3G</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139

MICRO ALLOYED COLD ROLLED STEELS WITH HIGH YIELD POINT FOR COLD FORMING	
Standards	EN 10286:2006
Grades	<b>HC260LA / HC300LA / HC340LA HC380LA / HC420LA</b>
Capabilities : Thicknesses	0,40mm ~ 6,00mm
Capabilities : Widths	7,00mm ~ 350,00mm
Dimensional Tolerances	Acc. To EN 10140 and customer agreement
Delivery Conditions and Forms	A, LC, FA, CR / Coils and Cut length
Surface Properties	MA - RR, RL, RM / Acc. To EN 10139
	MB - RL, RM / Acc. To EN 10139

CLASSICAL COLD ROLLED STEELS & SPECIAL DEEP DRAWING GRADES					
Standards	EN 10139: 2007				
Grades		<b>DC 01</b>	<b>DC 03</b>	<b>DC 04</b>	<b>DC 05</b>
Chemical Cast Analysis	C max.	0,12	0,10	0,08	0,06
	Mn max.	0,60	0,45	0,40	0,35
	P max.	0,045	0,035	0,030	0,025
	S max.	0,045	0,035	0,030	0,020
Capabilities: Thicknesses	LC	0,40mm ~ 6,00mm			
	C290~C440	0,20mm ~ 5,00mm			
	C490~C690	0,10mm ~ 4,00mm			
Capabilities : Widths	LC ~ C690	7,00 mm ~ 350,00 mm			
Mechanical Properties	LC ~ C690	Acc. to EN 10139 and customer special agreement			
Dimensional Tolerances	LC ~ C690	Acc. To EN 10140 and customer agreement			
Delivery Forms	LC ~ C690	Coils and Cut Lengths			
Surface Properties	LC ~ C690	MA : RR, RM, RL MB : RL, RM MC : RN			

## OUR PRODUCTION TOLERANCES

THICKNESS TOLERANCES							
Nominal Thickness (mm)		W < 125			125 ≤ W		
		A	B	C	A	B	C
0,15 ~ 0,25	EN	± 0,015	± 0,012	± 0,008	± 0,020	± 0,015	± 0,010
	<b>MGE</b>	± 0,012			± 0,015		
0,26 ~ 0,40	EN	± 0,020	± 0,015	± 0,010	± 0,025	± 0,020	± 0,012
	<b>MGE</b>	± 0,015			± 0,020		
0,41 ~ 0,60	EN	± 0,025	± 0,020	± 0,012	± 0,030	± 0,025	± 0,015
	<b>MGE</b>	± 0,020			± 0,025		
0,61 ~ 1,00	EN	± 0,030	± 0,025	± 0,015	± 0,035	± 0,030	± 0,020
	<b>MGE</b>	± 0,025			± 0,030		
1,01 ~ 1,50	EN	± 0,035	± 0,030	± 0,020	± 0,040	± 0,035	± 0,025
	<b>MGE</b>	± 0,030			± 0,035		
1,51 ~ 2,50	EN	± 0,040	± 0,035	± 0,025	± 0,050	± 0,040	± 0,030
	<b>MGE</b>	± 0,035			± 0,040		
2,51 ~ 4,00	EN	± 0,050	± 0,040	± 0,030	± 0,060	± 0,050	± 0,035
	<b>MGE</b>	± 0,040			± 0,050		

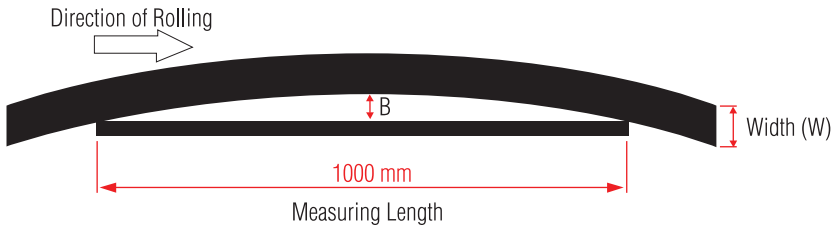
Minimum distance of the measuring points from the edge must be 15 mm

WIDTH TOLERANCES FOR SLIT EDGES (GK)							
Width Tolerances EN 10140		Production Width (mm)					
Nominal Thickness (mm)		W < 125		125 ≤ W ≤ 250		250 < W	
		A	B	A	B	A	B
0,20 ~ 0,60	EN	± 0,15	± 0,10	± 0,20	± 0,13	± 0,25	± 0,18
	<b>MGE</b>	± 0,10		± 0,15		± 0,20	
0,61 ~ 1,50	EN	± 0,20	± 0,13	± 0,25	± 0,18	± 0,30	± 0,20
	<b>MGE</b>	± 0,15		± 0,20		± 0,25	
1,51 ~ 2,50	EN	± 0,25	± 0,18	± 0,30	± 0,20	± 0,35	± 0,25
	<b>MGE</b>	± 0,20		± 0,25		± 0,30	
2,51 ~ 4,00	EN	± 0,30	± 0,20	± 0,35	± 0,25	± 0,40	± 0,30
	<b>MGE</b>	± 0,025		± 0,30		± 0,35	

WIDTH TOLERANCES FOR ROLLED EDGES (NK)	
Nominal Widths ( W mm)	Tolerances (mm)
W ≤ 50 mm	1,00 mm
50 < W ≤ 100 mm	1,40 mm
100 < W ≤ 200 mm	1,80 mm
200 mm < W	2,20 mm

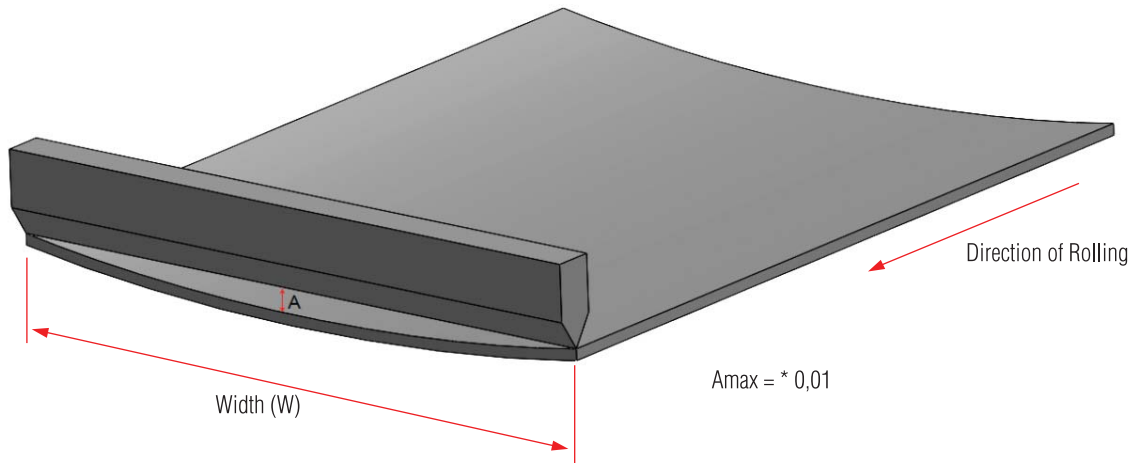
## OUR PRODUCTION TOLERANCES & DELIVERY CONDITIONS

### EDGE CAMBER

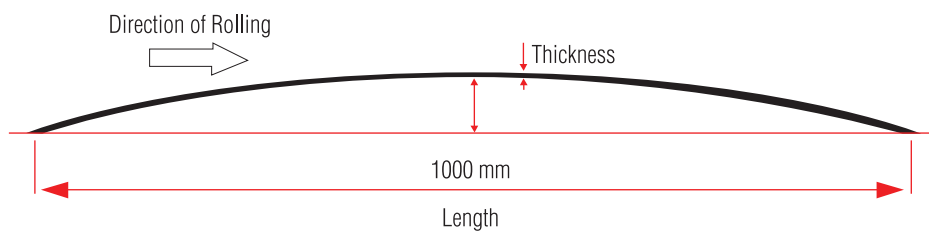


Width (W mm)	For 1000 mm (Bmax.)
$W \leq 25$	A Class = 3 mm / B Class = 6 mm
$25 < W \leq 100$	A Class = 2 mm / B Class = 4 mm
$100 < W$	A Class = 1 mm / B Class = 2 mm

### TRANSVERSAL FLATNESS



### FLATNESS OF CUT LENGTH



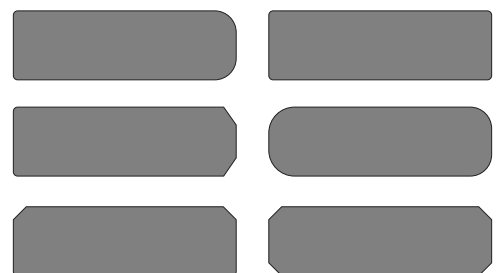
DELIVERY CONDITIONS	
A	Annealed
LC	Annealed and Skin Passed
FA	Full Annealed (Spheroidizing Annealed)
CR	Cold Rolled Work Hardened

SURFACE FINISH DETAILS	
RN	$Ra \leq 0,20 \mu\text{m}$
RL	$Ra \leq 0,60 \mu\text{m}$
RM	$0,60 \mu\text{m} \leq Ra \leq 1,80 \mu\text{m}$
RR	$Ra \geq 1,50 \mu\text{m}$

SURFACE CONDITION	
MA (RL, RM, RR)	Cold Rolled Surface
MB (RL, RM)	Bright Surface
MC (RN)	Shiny Surface

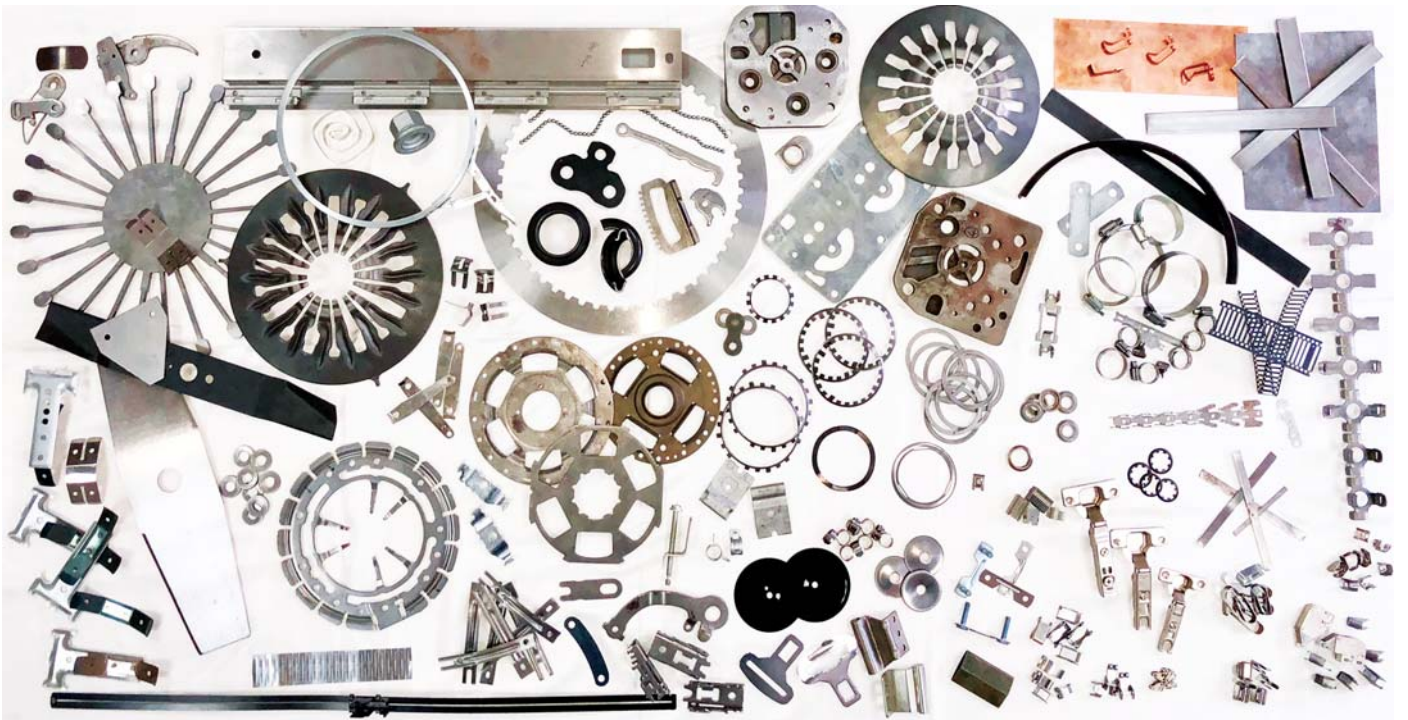
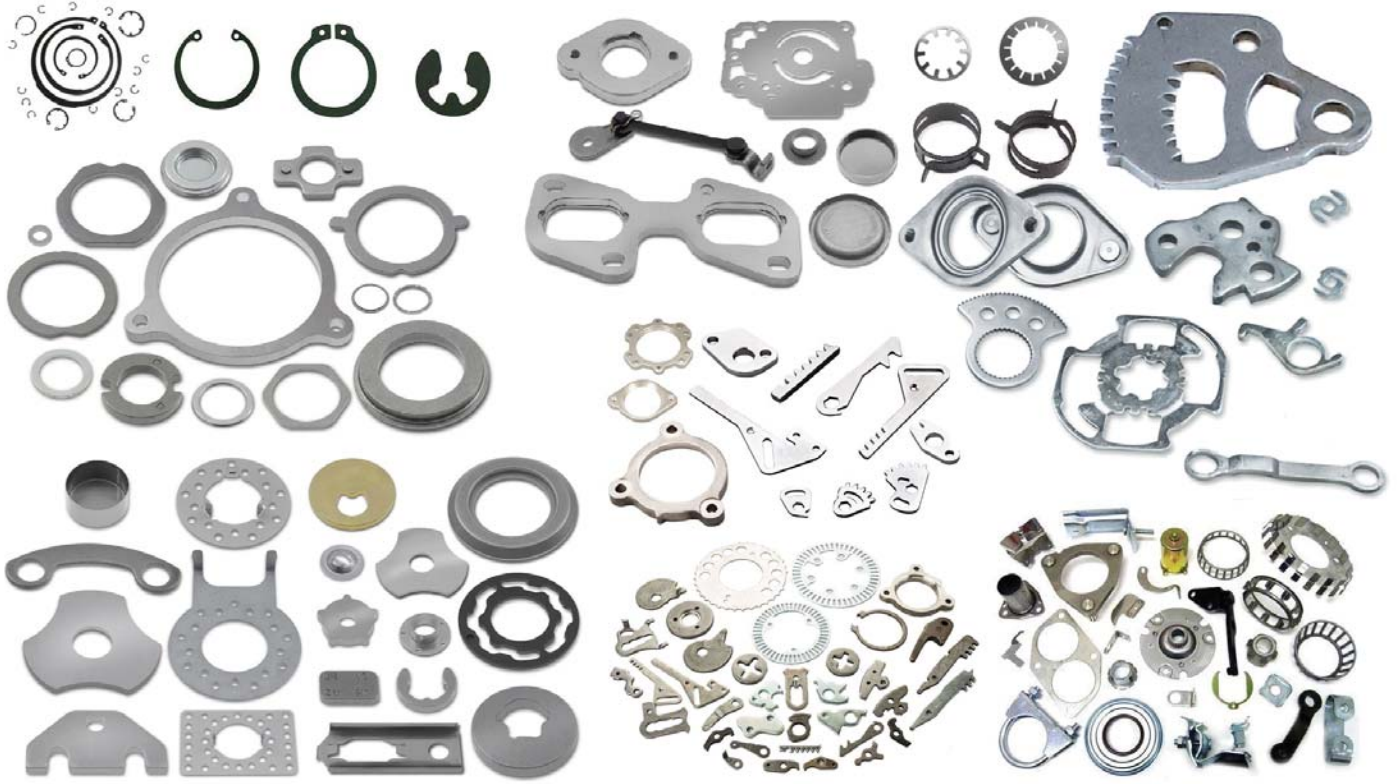
EDGE CONDITIONS	
NK	Mill Edge
GK	Slit Edge
SK	Special Edge

### SPECIAL EDGE SHAPES



## OUR CUSTOMER'S PRODUCTS

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## OUR QUALITY CERTIFICATE

**SGS**

Certificate TR15/002085

The management system of

**MGE METAL GELİŞTİRME  
ENDÜSTRİ SAN. VE TİC. A.Ş.**

Yeni Yıldız Mahallesi Yeşilirmak Caddesi Dilovası Osb 2. Kısım D 2009  
Sok. No:3, Dilovası, Kocaeli, Turkey

has been assessed and certified as meeting the requirements of

**ISO 9001:2015**

For the following activities

**Production and sales of cold rolled high carbon steel strips cold rolled  
low carbon steel strips cold rolled alloyed and low alloyed steel strips**

Further clarifications regarding the scope of this certificate and the applicability of  
ISO 9001:2015 requirements may be obtained by consulting the organisation.

This certificate is valid from 07 June 2018 until 20 May 2021  
and remains valid subject to satisfactory surveillance audits.  
Re certification audit due before 29 April 2021  
Issue 2. Certified since 21 May 2015

Authorised by



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## EXHIBITION ORGANIZATIONS



## OUR SOCIAL RESPONSIBILITY & CHAIRMAN

### **Dear Friends,**

Year 1987, Kayseri, a shop of 35 sqm, only trading of 500 tons and one man working alone.

Year 2018 Kayseri, Istanbul, Izmir, Turkey and around the world with 200,000 sqm of open 100,000 sqm of closed facility with production and steel service center with volume of 700,000 tons per year and most important of all Turkeys and world most energetic, dynamic, working hard and ethical employees of 600 personal of a KMC workforce...

Shortly we have earned from steel and we have invested in steel and grew bigger.

This is the summary of KMC journey up to today.

To walk on the roads furthermore together.

Stay with love...



**Ziya EREN**

KMC GROUP  
Chairman





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