

# Interactive Bookshelf

Carsten Gromoll  
April 21<sup>st</sup>, 2020



# Purpose of today's session

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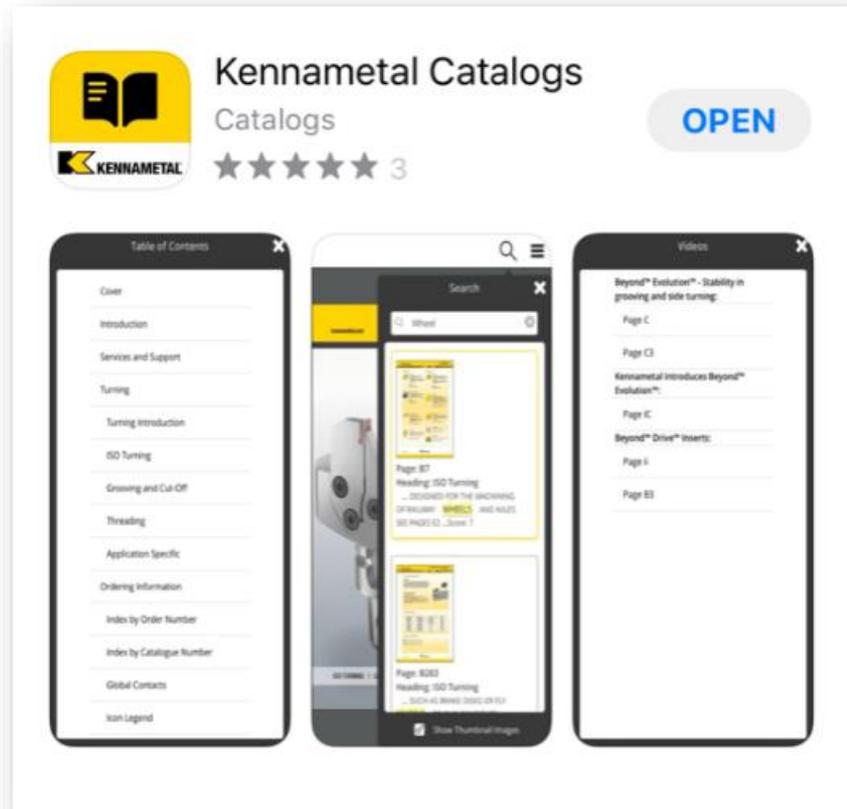
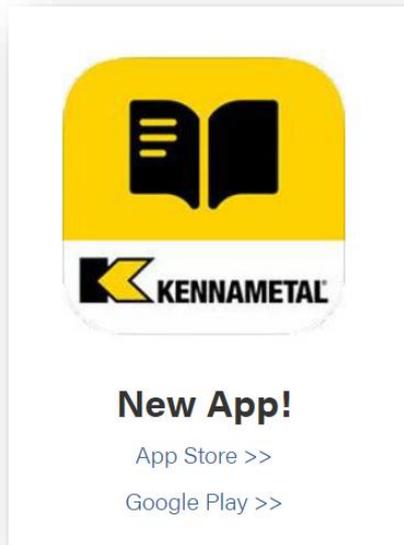
- Understand
    - what we have today, and where to find it.
    - how to utilize the assets we have
    - all the functions in the bookshelf
      - Share with others
      - Search
      - Language versions
      - inch vs. metric
      - Embedded videos
      - Search
    - what's coming next/new features
  
  - Goals
    - Everyone becoming a frequent user
    - Everyone loading the app to his/her mobile devices
    - Everyone become an active community member
    - Engage with customers
- Last but not least, this should be fun for everyone!

# Know where to find it

The screenshot shows the Kennametal website homepage. The browser address bar displays "kennametal.com/us/en/home.html". The navigation menu includes "PRODUCTS", "INDUSTRIES", "SERVICES", "RESOURCES", "SUPPORT", "ABOUT US", and "NEWS". The "RESOURCES" menu is open, listing "Catalogs", "Video Library", "Find a Distributor", "Training", "Engineering Calculators", "Conversion Guide", "CAD Drawings", "Technical Tips", and "Software". The "Catalogs" item is highlighted with a red box. In the background, there is a banner for "AEROSPACE" with the text "The use of titanium continues to follow a 5% growth in volume, much faster than any other metal." and a "LEARN MORE" button. A "COVID-19: Ho" banner is also visible.

# Know where to find it

Search for “Kennametal” or “Kennametal catalogs”



# Select the Metalworking Section

The screenshot shows the Kennametal website interface. At the top, there is a navigation bar with the Kennametal logo, a search bar, and links for Cart, Sign In, and English. Below this is a secondary navigation bar with links for PRODUCTS, INDUSTRIES, SERVICES, RESOURCES, SUPPORT, ABOUT US, and NEWS. A banner for COVID-19 response is visible. The main content area is titled 'CATALOGS & LITERATURE' and features three catalog covers: 'TRENCHING and Surface Miners', 'HARVI I High Performance Solid Carbide End Mills', and 'ROCTEC Abrasive Waterjet Nozzles'. Below these are three more catalog covers: 'Metalworking & Tooling Systems' (highlighted with a red border), 'Mining & Construction', and 'Wear Solutions'. Each catalog cover has a 'View Bookshelf' button below it.

**KENNAMETAL** Search By Keyword, Product #, ANSI/ISO

PRODUCTS INDUSTRIES SERVICES RESOURCES SUPPORT ABOUT US NEWS

**COVID-19: How Kennametal is responding**  
[LEARN MORE](#)

US / Home / Resources / Catalogs

## CATALOGS & LITERATURE

**TRENCHING**  
Trenching and Surface Miners

**HARVI I**  
High Performance Solid Carbide End Mills  
Designed for roughing and finishing with one tool in almost all materials.

**ROCTEC**  
Abrasive Waterjet Nozzles

**Metalworking & Tooling Systems**  
[View Bookshelf](#)

**Mining & Construction**  
[View Bookshelf](#)

**Wear Solutions**  
[View Bookshelf](#)

# Next Step

**KENNAMETAL** Search By Keyword, Product #, ANSI/ISO Cart Sign In English

PRODUCTS INDUSTRIES SERVICES RESOURCES SUPPORT ABOUT US NEWS

**COVID-19: How Kennametal is responding**  
[LEARN MORE](#)

US / Home / Resources / Catalogs / Metalworking & Tooling Systems Catalogs

## METALWORKING & TOOLING SYSTEMS CATALOGS

**Interactive Bookshelf**  
**New Catalogs!**

**Bookshelf (INCH)**  
[VIEW](#)

**Bookshelf (METRIC)**  
[VIEW](#)

# Bookshelf

Chose your “world” first

KENNAMETAL

English Metric

MASTER CATALOG 2018  
TURNING TOOLS

Master Catalog 2018 Vol. 1  
Turning Tools English...

MASTER CATALOG 2018  
ROTATING TOOLS

Master Catalog 2018 Vol. 2  
Rotating Tools English...

FIRST CHOICE  
KEEPS YOU RUNNING

First Choice English Metric

INNOVATIONS  
2020 02

Innovations 2020 02  
English Metric

INNOVATIONS  
2020 01

Innovations 2020 01  
English Metric

INNOVATIONS  
2019 02

Innovations 2019 02  
English Metric

Tooling Systems News  
2018

Tooling Systems News  
2018 English Metric/Inch

KM4X™  
The Most Versatile  
Length Extension System

INNOVATIONS  
CATALOG 2017

KM4X English Metric/Inch

METALWORKING SERVICES

Metalworking Services  
English Metric/Inch

# Side Tabs - Current

The image displays a web browser window with the Kennametal website. The browser's address bar shows 'kennametal.com'. The website header is yellow with the Kennametal logo and 'kennametal.com'. The main content area features a large image of a silver drill bit and a video player with a red play button icon. The text 'INNOVATIONS 2020 | 02 | METRIC' is visible next to the video player.

The 'Table of Contents' sidebar is open, listing the following items:

- Cover
- Services & Support
  - Contact Information
  - Spare Parts & Accessories Information • Online Catalogue
- Solid End Milling
  - HARVI I TE
  - KOR 5
  - Duo-Lock
- Holemaking
  - KSEM PLUS • HPF Inserts
- Turning
  - KBH10B & KBH20B • Hard Turning PcBN Grades
  - Beyond Evolution
- Tooling Systems
  - ER Collet Chucks
- General Information
  - Grade Descriptions

Red boxes highlight the 'Contents', 'Search', and 'Videos' tabs in the sidebar on both the left and right sides of the browser window.

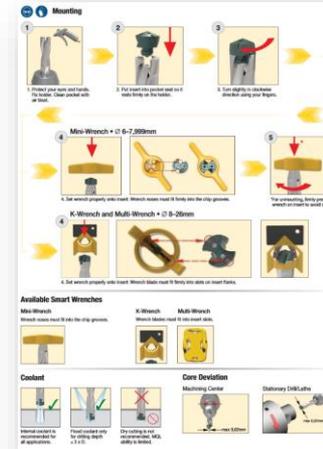
# Side Tabs – From May on



Contents  
Search  
Videos

Adding features:

- Publication Type “Assembly Instructions”
- Publications Type “Success Stories” (converted TPR’s)



## Modular Drilling with Solid Carbide Performance

The new modular drill KenTIP FS covers more applications and provides better performance than any other modular system, delivering substantial cost savings and process simplifications on your shop floor. Carbide where it matters. KenTIP FS inserts cover the entire front part of the drill. The coupling is completely protected from chip flow and contact with workpiece.

With 3-point geometries, 3 high-performance grades, and 3 different shank styles, this modular drilling system covers a diameter range of 6-26mm (2363-1.0236") and 12 x D drilling capability in steel, stainless steel, and cast iron.

### Fast Flow



Large, ultra-high polished chip flutes guarantee trouble-free chip evacuation, enhancing tool life and performance.

### Intelligent Interface



Taper interface uniquely designed for highest rigidity clamping. Retention lock prevents insert pullout. Large bearing surface positioned for transmission of highest torsional loads without pocket deformation. Large face coolant surface.

### Multi-Coolant



Coolant delivery to the drill point and to the rake face for guaranteed coolant delivery where it is needed.

## Cast Iron – Through Hole Drilling

### CHALLENGE

Drilling a series of 10.5mm (Ø.413") through holes just 5mm (0.196") deep in grey cast iron GG25. To be machined on a 30-tool (Ø.37 in (Ø.03 in)) drill/stop center.

	SOLUTION	BEFORE
Tool	KenTIP FS	—
Holder	KTF10SR020CF10M	—
Insert	KTF10SR020HPCW	—
Grade	KCN10	—
Material	Grey Cast Iron - GG25	Grey Cast Iron - GG25
Coolant	External Coolant	External Coolant
Drilling Diameter	10.5mm	10.5mm
DOC	5mm	5mm
TC	150 minutes	120 minutes
#	0.3 minute	0.3 minute



BEFORE  
KenTIP FS



### RESULTS

Increased tool life from 75m to 136.5m (+82%). An increase of 4,100 holes per edge was achieved, from 5,000 to 9,100 holes per edge. KenTIP FS also reduced life time by increasing tool life 15 minutes on tool change time were saved.



# Example on “Publication Type”

The screenshot shows the Leviton website's Bookshelf View. The browser address bar indicates the URL is [catalogs.leviton.com/BookshelfView/](http://catalogs.leviton.com/BookshelfView/). The page features a sidebar on the left with the following sections:

- Booksshelf Filters**: Includes a search bar and a "Clear All Filters" button.
- FILTER BY LANGUAGE**: Lists Deutsch, English, Español, Français, and Italiano.
- FILTER BY PUBLICATION TYPE**: This section is highlighted with a red box and lists Brochures, Buying Guides, Catalogs, Demo Guides, Design Guides, Line Card, and Training Manuals.
- FILTER BY CATEGORY**: Lists Connected Home and Electrical Wiring Devices.

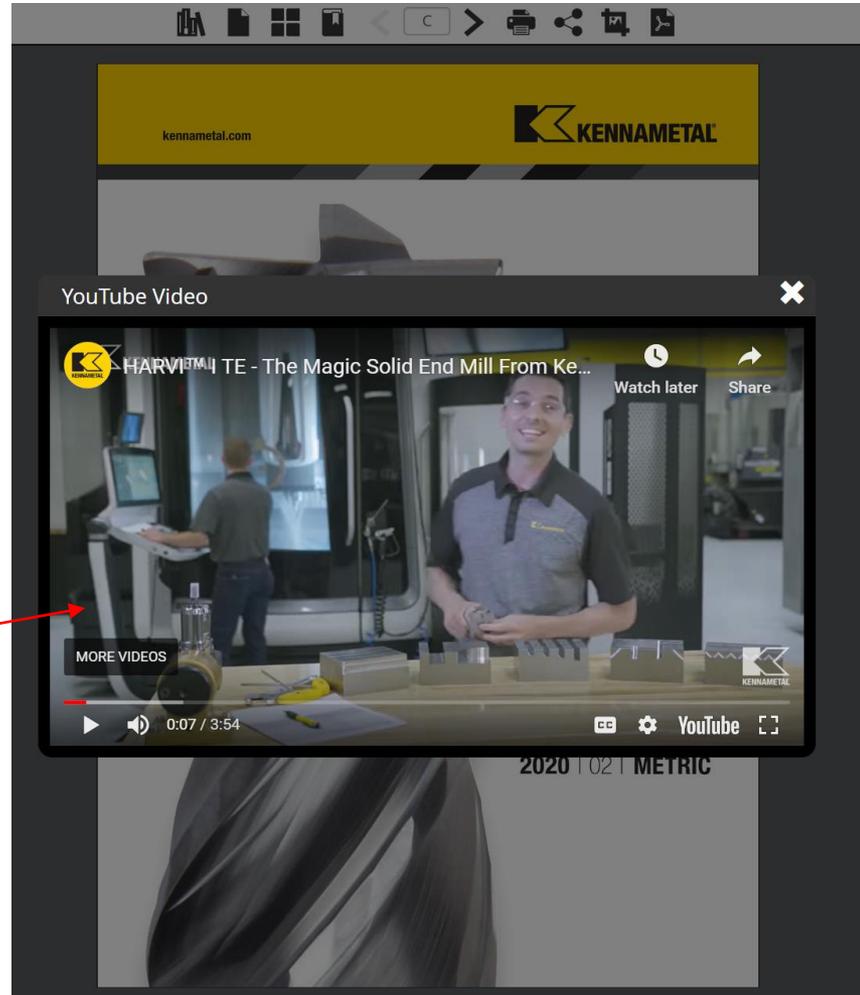
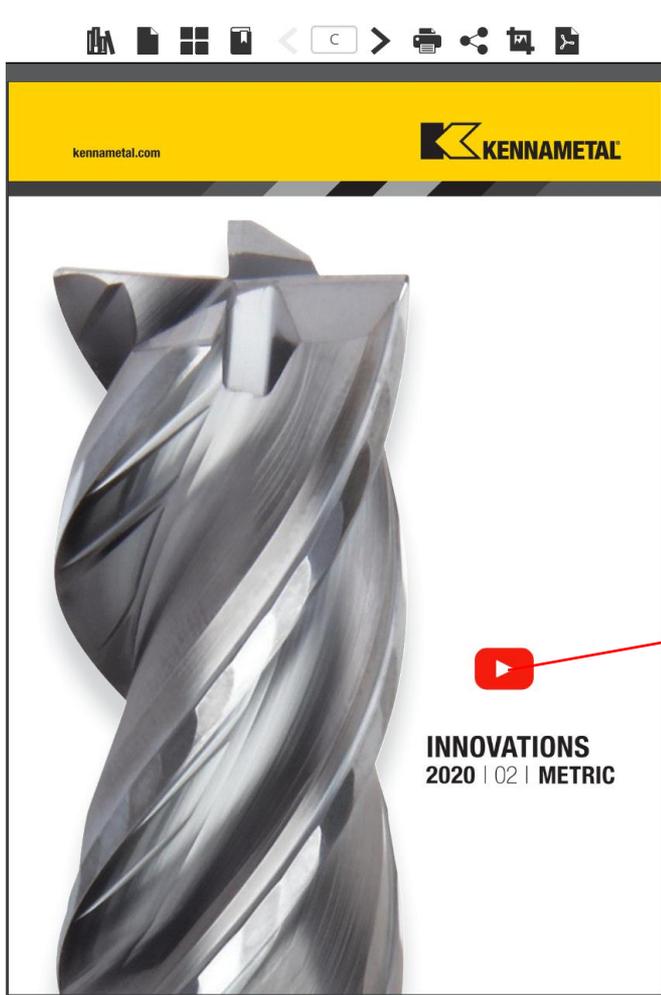
The main content area displays a grid of 24 product catalogs and brochures, including:

- L-400 Full Product Catalog
- Decora Smart Wi-Fi Brochure
- Residential Lighting Controls
- OEM Catalog
- Electrical Products Training Manual
- Network Solutions 2019 North America
- Network Solutions 2019 Europe
- Network Solutions 2019 Middle East
- Network Solutions 2019-20 Europe - French
- Network Solutions 2018-19 Europe - German
- Network Solutions 2019-20 Europe - Italian
- Network Solutions 2018-19 Europe - Spanish
- Network Solutions 2018/19 Latin America ...
- Smart Choice (About Network Solutions)
- Guía Rápida Network Solutions - Español...
- Home Builder Brochure
- Residential Multifamily Brochure
- Copper Systems (US)

# Filter by publication type

The screenshot shows a web browser window at [catalogs.leviton.com/BookshelfView/](https://catalogs.leviton.com/BookshelfView/). The page features a sidebar titled "Bookshelf Filters" with a search bar and a "Clear All Filters" button. Below the search bar, there are three filter sections: "FILTER BY LANGUAGE" (Deutsch, English, Español, Français, Italiano), "FILTER BY PUBLICATION TYPE" (Brochures, Buying Guides, Catalogs, Demo Guides, Design Guides, **Line Card**, Training Manuals), and "FILTER BY CATEGORY" (Connected Home, Electrical Wiring Devices). The "Line Card" option is highlighted in green and enclosed in a red box. The main content area shows "Filtered (2 of 117)" results, with two line cards displayed: "Connected Home Line Card" and "North American Line Card". Both line cards are also enclosed in a red box.

# Embedded Videos



# Search for anything

Search

Contents Search Videos

Page: 24  
 Heading: Solid End Milling  
 ... AP1 MAX L R E K600 **6665605**  
 ACDD1000A5CCA 10 00 10 00  
 ...Score: 7

Page: 25  
 Heading: Solid End Milling  
 ... AP1 MAX L R E K600 **6665605**  
 ACDD1000A5CCA 10 00 10 00  
 ...Score: 8

Show Thumbnail Images

## High-Performance Solid Carbide End Mills

### KOR™ 5 • 5 FLUTES • STRAIGHT SHANK

● first choice  
○ alternate choice

order number	catalogue number	D1	D	Ap1 max	L	Rc	K600
<b>6665605</b>	ACDD1000A5CCA	10,00	10,00	30,00	75,00	0,20	●
6665606	ACDD1000A5CCE	10,00	10,00	30,00	75,00	0,50	●
6665607	ACDD1000A5CCG	10,00	10,00	30,00	75,00	1,00	●
6665604	ACDD1000A5CCS	10,00	10,00	30,00	75,00	—	●

# Using the “SHARE” functionality

**KENNAMETAL**

Contents Search Videos

Solid End Milling **POWERED BY NOVO**

## HARVI™ I TE

High-Performance Solid End Milling

[YouTube](#)

**Materials**  
Al Ti In

**Applications**

- Slotting
- 3D Profiling
- Side Milling/Shoulder Milling
- Ramping
- Helical Interpolation
- Plunge Milling
- Trochoidal Milling
- Trochoidal Milling - Ball Nose

[kennametal.com/HARVI1TE](http://kennametal.com/HARVI1TE)

Twisted end face.

Chip gashes within the flutes.

Faceted eccentric relief with AVF-Technology.

Proprietary end face design — Twisted cutting edge increasing the corner stability, enabling soft cutting action even at highest ramping angles.

Proprietary core design — Increasing tool stability.

Innovative end face design — Asymmetric divided flutes and variable helix enabling vibration dampening and unmatched feed rates.

Proprietary relief — with AVF-Technology. A precision faceted eccentric relief reducing vibrations and reducing friction. For excellent cutting conditions in multiple materials.

Proprietary flute design — Innovative chip gashes within the flutes reducing cutting forces and supporting efficient chip evacuation.

**KENNAMETAL**  
kennametal.com

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# 2 options that you have

The screenshot shows a web browser window displaying a product page for Kennametal's HARVI™ I TE. The browser's address bar shows the URL: [catalogs.kennametal.com/Innovations-2020-02-English-Metric/6/](https://catalogs.kennametal.com/Innovations-2020-02-English-Metric/6/). The page features a yellow header with the Kennametal logo and navigation icons. The main content area is titled "Solid End Milling" and "POWERED BY NOVO". The product name "HARVI™ I TE" is prominently displayed, followed by the description "High-Performance Solid End Milling". A video player icon is visible below the title. To the left, there are sections for "Materials" and "Applications" with various icons representing different machining processes. The central image shows a detailed view of the end mill with labels: "Twisted end face", "Faceted eccentric relief with AVF-Technology", and "Chip gashes within the flutes". A sharing menu is overlaid on the right side of the image, with a red circle highlighting the "Entire Catalog" and "Current Page Spread" options. The menu also includes a "Back" button. The page is divided into two columns, numbered 6 and 7, with descriptive text and the Kennametal logo at the bottom of each column.

What do you want to share?

- Entire Catalog
- Current Page Spread
- Back

**Materials**

**Applications**

- Slotting
- 3D Profiling
- Side Milling/Shoulder Milling
- Ramping
- Helical Interpolation
- Plunge Milling
- Toolholder Milling
- Toolholder Milling: Ball Nose

kennametal.com/HARVI1TE

Proprietary end face design — Twisted cutting edge increasing the corner stability, enabling soft cutting action even at highest ramping angles.

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Proprietary flute design — Innovative chip gashes within the flutes reducing cutting forces and supporting efficient chip evacuation.

kennametal.com

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Chip gashes within the flutes.

Twisted end face.

Faceted eccentric relief with AVF-Technology.

HARVI™ I TE — Innovative proprietary design features driving maximum productivity. Universal character. Machines steel, stainless steel, cast iron, and high-temperature alloys with exceptional feed rates, reaching unmatched metal removal rates.

Applicable for a variety of operations, including dynamic milling, and extreme ramping operations.

4-fluted end mill for high-performance roughing and finishing with only one tool.

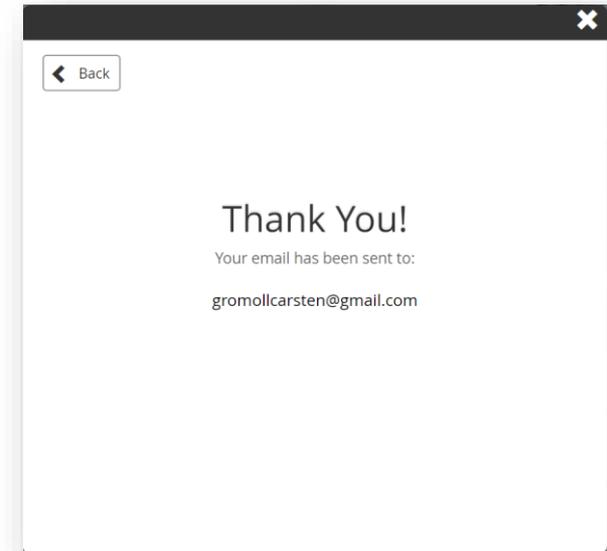
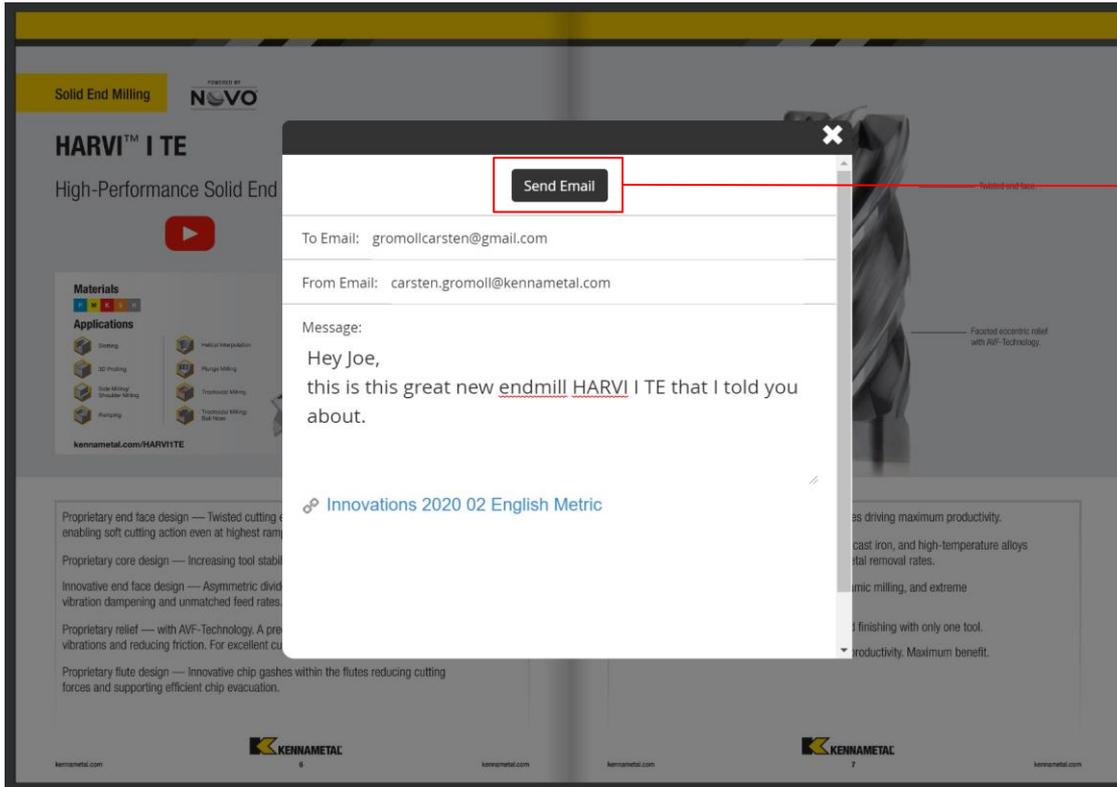
HARVI I TE — Maximum metal removal. Maximum productivity. Maximum benefit.

kennametal.com

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kennametal.com

# Creating an email straight from here



# Checking on the “other end”

☐ ☆ noreply Kennametal Catalog - Logo Visit [www.kennametal.com](http://www.kennametal.com) View Kennametal Catalogs Kennametal Catalog Hi, your friend tho...



Kennametal Catalog Inbox x

noreply@dirxionmail.com [Unsubscribe](#) 1:18 PM (1 minute ago) ☆ ↶ ⋮  
to me ▾



[Visit www.kennametal.com](http://www.kennametal.com)  
[View Kennametal Catalogs](#)

## Kennametal Catalog

*Hi, your friend thought you might be interested in receiving this link from a Kennametal catalog. Your email address was used only to deliver you this message.*

Message and Link From -- [carsten.gromoll@kennametal.com](mailto:carsten.gromoll@kennametal.com):  
Hey Joe, this is this great new endmill HARVI I TE that I told you about.  
[Innovations 2020 02 English Metric](#)

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# It opens the catalog



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Solid End Milling



## HARVI™ I TE

High-Performance Solid End Milling



### Materials



### Applications



[kennametal.com/HARVI1TE](http://kennametal.com/HARVI1TE)



Asymmetric divided flutes and variable helix.

Twisted end face.

Chip gashes within the flutes.

Faceted eccentric relief with AVF-Technology.



Proprietary end face design — Twisted cutting edge increasing the corner stability, enabling soft cutting action even at highest ramping angles.

Proprietary core design — Increasing tool stability.

Innovative end face design — Asymmetric divided flutes and variable helix enabling vibration dampening and unmatched feed rates.

Proprietary relief — with AVF-Technology. A precision faceted eccentric relief reducing vibrations and reducing friction. For excellent cutting conditions in multiple materials.

Proprietary flute design — Innovative chip gashes within the flutes reducing cutting forces and supporting efficient chip evacuation.



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HARVI™ I TE — Innovative proprietary design features driving maximum productivity.

Universal character. Machines steel, stainless steel, cast iron, and high-temperature alloys with exceptional feed rates, reaching unmatched metal removal rates.

Applicable for a variety of operations, including dynamic milling, and extreme ramping operations.

4-fluted end mill for high-performance roughing and finishing with only one tool.

HARVI I TE — Maximum metal removal. Maximum productivity. Maximum benefit.



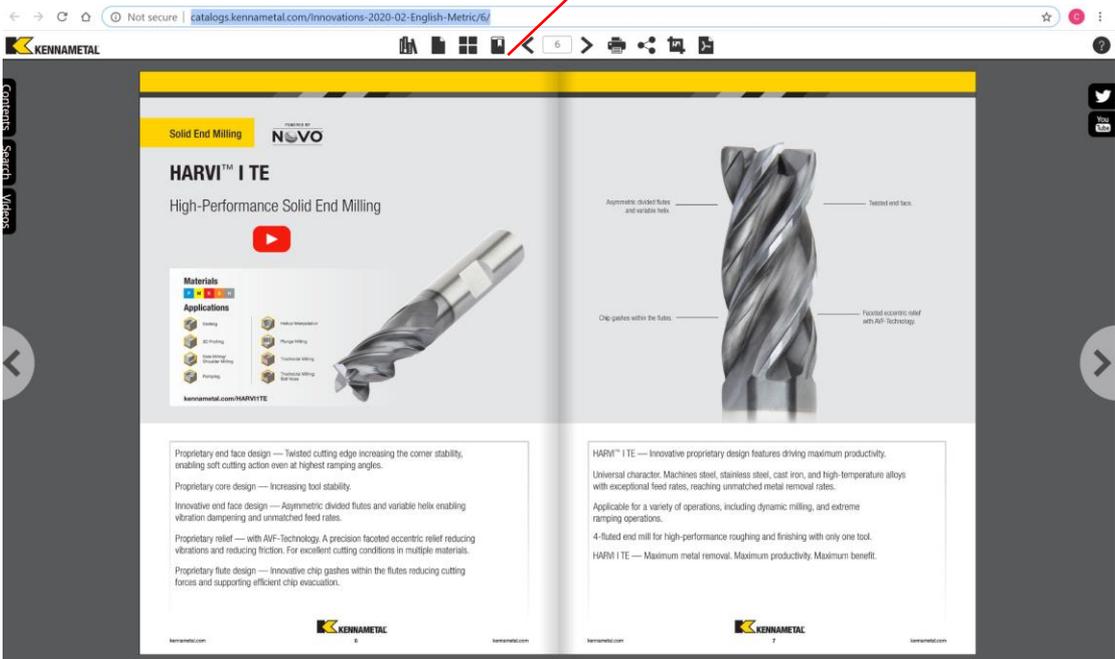
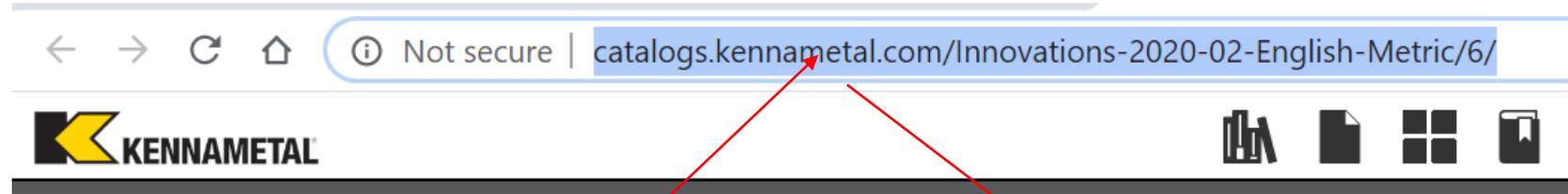
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email and send it to  
your customer.

The result is the same.

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**Indexable Milling** POWERED BY **NOVO**

## HARVI™ Ultra 8X with Flange Mount Adaptors

**Materials**  
Al Ti In

**Applications**

- Shoulder Milling
- Chamber Milling
- Profile Milling
- Shoulder/Cham Milling
- Pocketing

[kennametal.com/Harvi-Ultra-8X](http://kennametal.com/Harvi-Ultra-8X)

Adjustable coolant nozzles support chip evacuation and control heat in the cutting zone, allowing application specific coolant flow management.

Large helix ensures hassle-free chip evacuation even at highest metal removal rates (MRR).

KM4X™ provides most rigid spindle connection in the industry.

Tapor flange provides higher stability than straight flanges, and adds bending moment resistance.

HARVI™ Ultra 8X cutters with different lead row pocket designs available. Especially for applications that require larger corner radii.

**Connectivity flexibility**

KMAX  
HX  
CV/CVF

Helical mill with shell mount

Helical mill with taper flange mount

Up to 8 cutting edges per insert. That's helical milling at the lowest possible cost-per-edge.

HARVI Ultra 8X helical milling cutters are designed to deliver the highest metal removal rates (MRR), especially in high-temperature alloys.

Lead inserts in various corner radii available, matching the needs of the aerospace industry.

HARVI Ultra 8x Taper Flange Adaptors achieve maximum tool stiffness and maximum tool life.

Ideal for machines specifically designed to produce airframe structural parts.

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kennametal.com 75

# Adding a comment as to why you bookmarked it

The screenshot shows a web browser displaying the Kennametal website. The page is titled "Indexable Milling" and "POWERED BY NOVO". The main product is "HARVI™ Ultra 8X with Flange Mount Adaptors". The page includes sections for "Materials" (Ti, In, S), "Applications" (Shoulder Milling, Chamfer Milling, Profile Milling, Shoulder-Groove Milling, Peeling), and a list of materials: KMAX, HSK, and CV/CVF. A "Bookmark / Notes" dialog box is open, showing the page URL "kennametal.com/Harvi-Ultra-8X" and the page number "Page: 74, 75 Notes". The dialog box contains a text input field with the text "I send this to Dave Stewart since he never sells this product." and buttons for "Close" and "Save Changes". The background page features technical diagrams of the mill and its adaptors, with descriptive text such as "Large helix ensures hassle-free chip evacuation even at highest metal removal rates (MRR)", "Adjustable coolant nozzles support chip evacuation and control heat in the cutting zone, allowing application specific coolant flow management.", "KMAX™ provides most rigid spindle connection in the industry.", "Taper flange provides higher stability than straight flanges, and adds bending moment resistance.", and "Up to 8 cutting edges per insert. That's helical milling at the HARVI Ultra 8X helical milling cutters are designed to deliver the highest metal removal rates (MRR), especially in high-temperature alloys." The page number "74" is visible in the browser's address bar and at the bottom of the page.

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**Indexable Milling** POWERED BY **NOVO**

## HARVI™ Ultra 8X with Flange Mount Adaptors

**Materials**  
Ti Al

**Applications**

- Shoulder Milling
- Chamber Milling
- Profile Milling
- Shoulder/Slot Milling
- Pocketing

[kennametal.com/Harvi-Ultra-8X](http://kennametal.com/Harvi-Ultra-8X)

Up to 8 cutting edges per insert. That's helical milling at the lowest possible cost-per-edge.

HARVI Ultra 8X helical milling cutters are designed to deliver the highest metal removal rates (MRR), especially in high-temperature alloys.

Lead inserts in various corner radii available, matching the needs of the aerospace industry.

HARVI Ultra 8x Taper Flange Adaptors achieve maximum tool stiffness and maximum tool life.

Ideal for machines specifically designed to produce airframe structural parts.

**KENNAMETAL**  
kennametal.com 74

Adjustable coolant nozzles support chip evacuation and control heat in the cutting zone, allowing application specific coolant flow management.

Large helix ensures hassle-free chip evacuation even at highest metal removal rates (MRR).

KM4X™ provides most rigid spindle connection in the industry.

Tapor flange provides higher stability than straight flanges, and adds bending moment resistance.

HARVI™ Ultra 8X cutters with different lead row pocket designs available. Especially for applications that require larger corner radii.

**Connectivity flexibility**

KMAX  
HX  
CV/CVF

Helical mill with shell mount

Helical mill with taper flange mount

**KENNAMETAL**  
kennametal.com 75

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The screenshot shows a web browser displaying the Kennametal website. The page is for the HARVI Ultra 8X Indexable Milling tool, powered by NOVO. The browser's address bar shows the URL `kennametal.com/Harvi-Ultra-8X`. A 'Bookmark / Notes' dialog box is open in the foreground, showing a table with columns for 'Notes', 'Book', and 'Page'. The table contains one entry: 'I send this to Dav...', 'Innovations 2019 02 English Metric', and 'Page: 74, 75'. The background page features technical diagrams of the tool, including a large helix and a taper flange, with descriptive text. The page number '74' is visible in the browser's address bar.

**Indexable Milling** POWERED BY **NOVO**

## HARVI™ Ultra 8X

with Flange Mount Adaptors

Adjustable coolant nozzles support chip evacuation and control heat in the cutting zone, allowing application specific coolant flow management.

Large helix ensure hassle-free chip evacuation even at highest metal removal rates (MRR).

KM4X™ provides most rigid spindle connection in the industry.

Taper flange provides higher stability than straight flanges, and adds bending moment resistance.

different lead row pocket for applications that require

Up to 8 cutting edges per insert. That's helical milling at the

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Helical mill with shell mount

Helical mill with taper flange mount

KM4X

HSK

CV/CVF

kennametal.com

74

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75

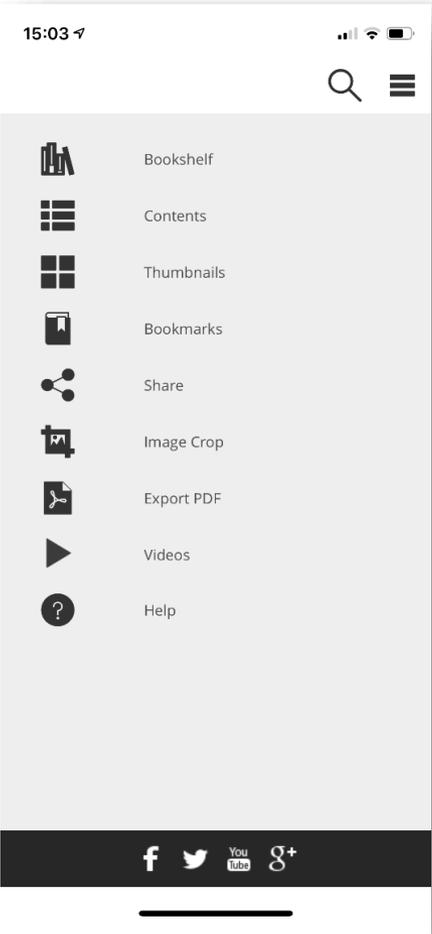
kennametal.com

# The app is exactly the same

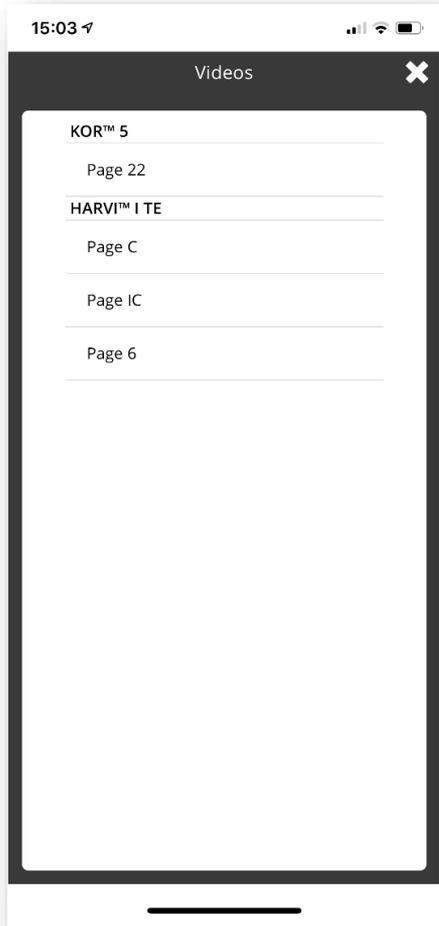
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## Menu

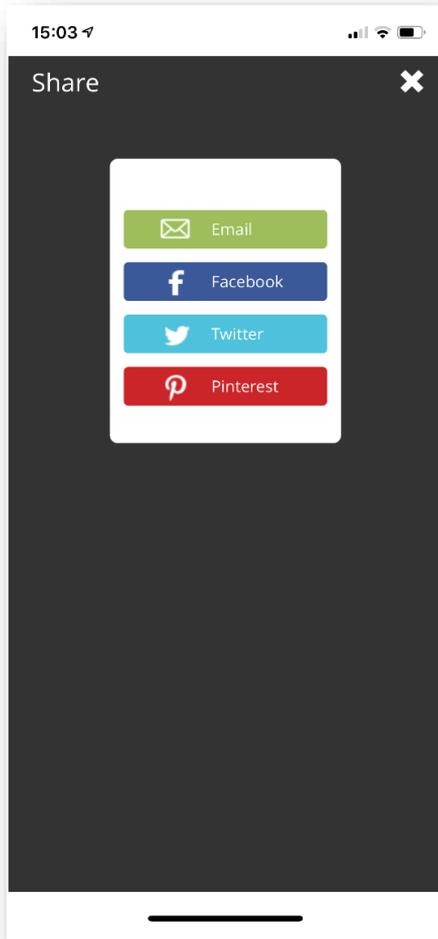


## Searching videos



# The app is exactly the same

## Sharing



## Hyperlinked chapters

