Intelligent finding of parts at the Haas-Group

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Short presentation of my person

Company presentation

ITO @HAAS

Intelligent finding of parts at the Haas-Group

Parts reuse / reduction

Fit for Future

- **Education:**
  - HTL Hollabrunn – Wirtschaftsingenieurwesen
    - Focus: Business informatics
  - HFH – Hamburger Fern-Hochschule
    - Focus: Industrial engineering, quality management

- **Professional background:**
  - Deloitte
    - 05/2006 – 02/2011
  - Haas Food Equipment GmbH
    - Since 03/2011
1905  establishment of a building and machine fitting business
1948  construction of the trend-setting HV6
1975  relocation of the production to Leobendorf
1977  Haas do Brasil
1980  Haas of America
2002  acquisition of Mondonix
2003  acquisition of GAM Steinhoff
2005  100th anniversary and new management by the 4th generation
2006  Haas Food Machinery Shanghai
2009  takeover of 85% of DFE Meincke Holding
2011  Haas Colombia
2013  Haas Ghana, Haas India and Haas Moscow
2015  Haas Turkey
sustainability and trust in family business

OUR MISSION – YOUR SUCCESS

OUR STRATEGY – STABLE GROWTH

- 100% family-owned
- 100% reliability
- 100% sustainability

... for more than 110 years!
FRANZ HAAS
FHW Franz Haas
Waffelmaschinen GmbH

FRANZ HAAS
CFT Haas Convenience
Food Equipment GmbH

MEINCKE
Haas-Meincke A/S

MONDOMIX
Haas-Mondomix B.V.
FRANZ HAAS

FHW Franz Haas Waffelmaschinen GmbH produces wafer equipment for flat wafer bars, hollow wafers and hollow wafer sticks

- headquarters in Leobendorf, Austria
- approx. 416 employees
- turnover 2015: EUR 123,1 mio.
- approx. 96 projects per year
your innovative partner for ice cream cones and waffles

CFT Haas Convenience Food Equipment GmbH manufactures plants for rolled and molded ice cream cones, molded cones and cups, special wafer products, Belgian waffles, pancakes and wafer rolls

- headquarters in Leobendorf, Austria
- approx. 69 employees
- turnover 2015: EUR 22.2 mio.
- approx. 25 projects per year
MEINCKE

Haas-Meincke A/S is focused on equipment for biscuit products, crackers, cocktail crackers, lye and semi-sweet products, all kinds of soft dough biscuits like molded or wire-cut products and cake products.

- headquarters in Skovlunde, Denmark
- facilities in Leobendorf, Austria / Roedkaersbro, Denmark / Ettenleur, The Netherlands
- approx. 284 employees
- turnover 2015: EUR 95,5 mio.
- approx. 86 projects per year
MONDOMIX

Haas-Mondomix B.V. is specialized in mixing, aerating and depositing equipment for bakery, confectionery, dairy and non-food products

- headquarters in Almere, The Netherlands
- approx. 93 employees
- turnover 2015: EUR 30,3 mio.
- approx. 118 projects per year
Haas do Brasil

- headquarters in Curitiba, Brazil
- founded in 1977
- approx. 187 employees
- approx. 25 projects per year

- production of:
  wafer equipment incl. SWAK-DOLPHIN and EWB-IGUANA,
  biscuit and cracker equipment incl. PUMA Line, mixing
  systems incl. High-Speed Mixer HSM and bread equipment
Haas of America

- headquarters in Richmond, Virginia (USA)
- founded in 1980
- approx. 16 employees
- approx. 25 projects per year
- trainings are done on actual machines
Haas Food Machinery

- headquarters in Shanghai, China
- founded in 2006
- approx. 118 employees
- approx. 31 projects per year

- production of:
  wafer equipment SWAK-FOX, EWB-LIZARD
  and cracker line PUMA
market leader in all business fields

TURNOVER 2015
- approx. EUR 303 Mio.

EMPLOYEES 2015
- approx. 1655

BREAKDOWN IN BUSINESS FIELDS
- Biscuit plants: 31.5%
- Wafer plants: 10%
- Mixing systems: 7.3%
- Non-food: 10.5%
- Convenience food and cone plants: 40.6%
CAD/PDM Link Organisation

1 Master KeyUser (yearly rotation)

IT – CAD Support (Support + advisory function)
- Standard CAD/PLM environment at all engineering sites
  - StartUp Tools 2013 M061 inkl. Model Processor 4.0 M020 von INNEO
    - Creo 2.0 M200
  - Windchill 10.2 M030

- Standard CAE environment at all engineering sites
  - Engineering Base
    - Engineering Base 6.7
System environment @HAAS

Klassifizierung mittels PARTsolutions

ERP

PLM

CAD

creo®

SAP®

classmate

RoHS DIN

windchill®
Use of standard parts (standard parts, purchased parts, HAAS standard part catalog parts)

- Challenges:
  - Use of same standard parts at all sites
  - Removing of all duplicates in the system (screws, …)
  - Administration of these parts also without SAP at the site
Intelligent finding of parts @HAAS

- Content within PARTsolutions:
  - Standard-/purchase part library
  - HAAS standard part catalog (by product structure)
  - Figure classification (HAAS-structure)

- Search functions:
  - Full text search
  - Geometric similarity search
Intelligent finding of parts @HAAS

- HAAS standard part catalog:
  - Daily update of the HAAS standard part catalog with data from:
    - SAP (ERP-Data)
    - Windchill (3D geometries)
    - Figure classification from SAP (additional metadata available in the PARTdatamanager)
  - Imported data is automatically sorted into the product structure
  - Metadata multilingual available

Catalog: Haas SP/CAT
(data with & without geometry)

ERP data filled by nightupdate

Geo data filled by PLMS
Intelligent finding of parts @HAAS

- Content within PARTsolutions:
  - HAAS standard part catalog
  - Supplier catalogs
Intelligent finding of parts @HAAS

- Content within PARTsolutions:
  - HAAS standard part catalog (by product structure)
Intelligent finding of parts @HAAS

Content within PARTsolutions:
- Figure classification (HAAS-structure)

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03/2017 by Michael Eder
Used search functions:

- Full text search via HAAS standard part catalog (Feather key Length = 22 Width = 5)
Used search functions:

- Geometric similarity search in Creo
- **Parts reuse:**
  - Possibility to show and find all parts within PARTsolutions
  - HAAS standard part catalog parts ("non" CADENAS parts) are available

- **Parts reduction:**
  - Centralized parts creation for new parts (material master creation) by global Standardization Department
    - Avoid duplicates
    - Increase data quality
  - Mechanical engineers can export test parts (without material master creation)
PARTapplicationServer

- Better data integration, data encapsulation (security)
- Global usage possible:
  - Benefits:
    - Parts management can be lived
    - Requirement to reduce parts variety
    - Basis for a central purchasing
    - Global usage with central data and without replication (separate servers) possible
  - Deep integration into Windchill via PTC Navigate
- LiveSearch
Thank you for your attention!