

FASTER
BETTER
SAFER

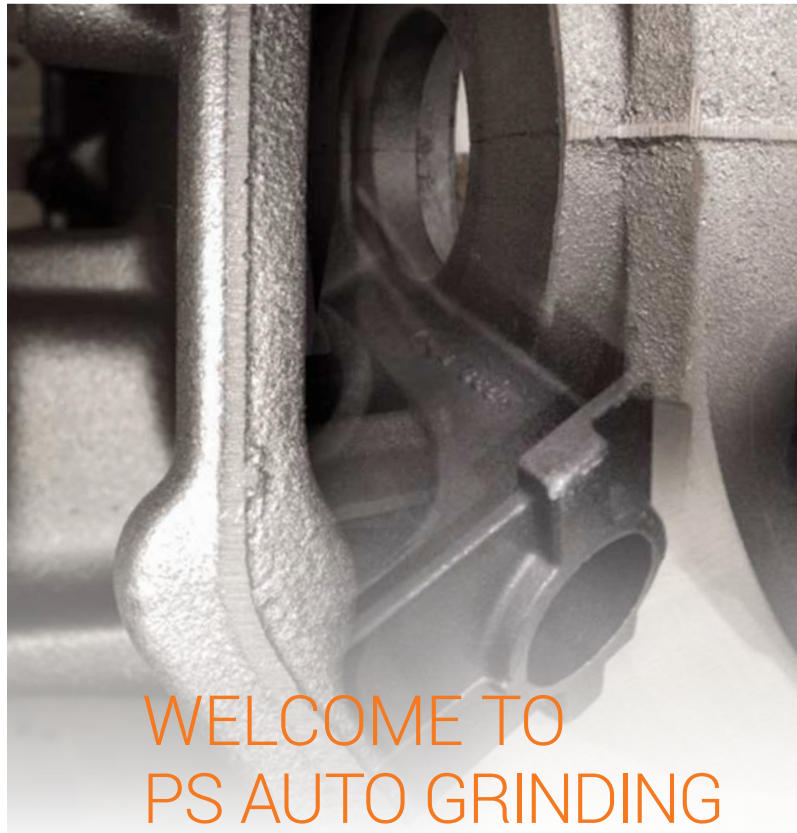
THAN EVER BEFORE



AUTO GRINDING LTD
MARKET LEADERS IN GRINDING SOLUTIONS TO FOUNDRIES

COMPACT | ROBUST | EFFICIENT





WELCOME TO PS AUTO GRINDING

Founded in 2001, PSAG is the exclusive European distributor for the Koyama range of robotic grinding centres.

In 2016, PSFT (P.S. Foundry Tech GmbH) is founded to provide better support to the German speaking markets.

In 2019 PSFT continues to grow from its new base near Dusseldorf. The 700 sq m unit will be available for trials and spares storage to localise customer care.

PSAG and PSFT offer machines, service, training and spare parts. Our automation division provide robotic loading solutions in a fully integrated cell.

The company supplies iron and non ferrous foundries and offer free trials, giving prospective buyers accurate cycle times to calculate a justification package.

The modern progressive foundry has abandoned the traditional grinding methods in favour of the faster, safer and consistent robotic grinding centre from Koyama.

FASTER BETTER SAFER THAN EVER BEFORE

Paul Smith,
Director



WHAT OUR CUSTOMERS SAY

Foundry Kuhn in France



"Kuhn have 25 year's experience with automatic grinding using special machines and robotic cells.

The introduction of Automatic grinding machines from PS Auto Grinding Ltd recently was disconcertingly easy and they went into production immediately.

They have become the operators machine of choice who have adopted them and we would recommend these compact machines for their simplicity, robustness and efficiency."

Foundry Director Mr A...

Foundry Castings PLC in UK



"We have over 40 grinding machines at Castings factory at Brownhills, UK. This has transformed the fettling department from a typical foundry environment to almost a machine shop. It has improved the consistency of grinding and eliminated health problems associated with traditional grinding.

The installation is simple and the machines are easy to program and reliability is very good with very little downtime. It is a dramatic change and there are no disadvantages whatsoever."

Managing Director Mr G...

Foundry Hugo Lahme GmbH in Germany



"Compared to traditional hand grinding, production has risen by 30-50% in our fettling department since the installation of the Automatic Grinding machine from P.S Auto Grinding. I am very pleased with the life I am getting from the grinding and fettling tools. P.S auto grinding have been very helpful whenever I have needed them. Excellent."

Mr Michael L...



BEYOND MACHINE SALES, WE OFFER OTHER SERVICES :

SPARE PART AND SERVICE

- Spare parts
- Training
- Training in machine safety
- Training of your operator to run and program your castingsRegular Service through visits and telephonic assistance
- Commissioning of your new machine
- Inform the maintenance department on all requirements
- Ensuring machine utilization is at it's optimum
- Jigs
- Discussion and advice for Jigs design
- Jigs manufacture

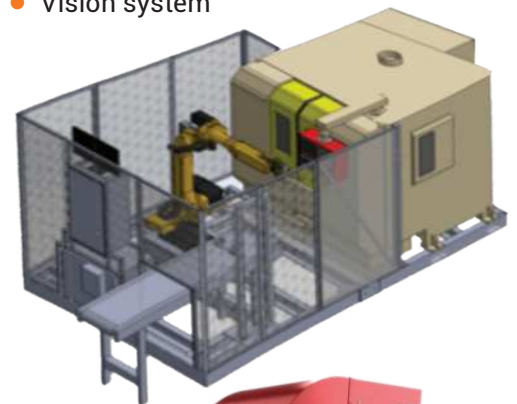
TOOLS MANUFACTURING

- Supply new grinding wheels and tools
- Offer an exclusive diamond wheel recoating service for used wheels which can dramatically (substantially) reduce your abrasive costs
- Tool design service to tailor tools to individual requirements



INTEGRATION

- Accessories on machines
- Extracting conveyor
- Robotic loading integration
- Vision system



500S

400S



400TT 500TT 550TT

AUTOMATIC GRINDING MACHINES

- Consistent repeatable grinding
- Improved productivity
- Better grinding finish
- Virtually eliminate hand grinding fatigue and accidents
- Unique, easily understood Touch and teach programming system
- Low installation costs, no special foundations
- Get to full production faster with 'plug and play'
- Patented tilting wheel and spindle arrangement allows unrivalled flexibility
- Latest generation Fanuc Control system and servo motors
- Unmatched reliability and minimal maintenance costs
- 2 Year Warranty on all machines
- Low energy consumption

TECHNICAL SPECIFICATIONS	400Si	400TTi	500Si	500TTi	500TT-XLi	500TT-XXLi	550Si	550TTi
Working envelope (included jigs)	Ø700 x 200 high	Ø600 x 350 high	Ø800 x 200 high	Ø800 x 550 high (Stroke : 600)	Ø800 x 550 high	1240 x 700 high	1600 x 700 high (Stroke : 900)	1400 x 750 high (Stroke : 900)
Total Capacity (casting + jig)	30 Kgs	70 Kgs	70 Kgs	70 Kgs	150 Kgs	150 Kgs	5500 KGs	325 Kgs
Electrical requirements (KW)	14.3	15.15	15.3	15.65	17.4	18.85	18.3	28.7
Pneumatic requirements (L/Cycle)	3.8	3.85	3.9	3.9	4	4.2	4.1	5.0
Extraction Volume (m3/min)	45	60	45	60	60	60	60	60
Machine Length (mm)	2212	3425	2462	3835	4105	4205	3875	4825
Machine height (mm)	1965	2269	2150	2769	2800	2950	3185	3050
Machine width (mm)	1710	2025	2415	2300	2430	3145	2980	3330
Machine mass (Kgs)	1600	2450	2100	2850	5200	5400	5500	6000



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