



Health Robotics

Health Robotics to unveil TPNstation™ at the American Society of Health-System Pharmacists on December 7th

Bozen, Sud-Tirol, Italy – November 30th, 2009 – Health Robotics today announced its plans to unveil TPNstation's development plans and product specifications for a new and revolutionary concept: "Totally Automated Parenteral Nutrition", a new key component of its **i.v. Room of the Future** vision to be showcased at Las Vegas' ASHP (Booth # 114).

"I look forward to see the reaction from our customers to the TPNstation's blueprints and to find out if TPNstation appears to meet their prior requests to complete the automation of the I.V. Room with Parenteral Nutrition after we led the industry in solving I.V. Therapy issues over the last 2 to 3 years with CytoCare, i.v.STATION, and i.v.SOFT. Parenteral Nutrition continues to be an area of concern for our customers in terms of patient safety, especially in Pediatrics, given biocompatibility issues, complicated calculations, patient-specific formulations, and the current lack of assured sterility at compounding centers", stated Paolo Giribona, Health Robotics' Director for Research & Development.

"Totally Automated Parenteral Nutrition is a new concept that leapfrogs the status-quo of TPN Automation (6, 9, 10, 12, or 24-channel partially-automated units from companies such as Baxter, Neocare, Fresenius, B|Braun, and Baxa) to a new level of TPN CPOE software-machine integration (including the multi-language features lacking in today's market), and with: up to 32-channels (so Pharmacy Techs do not need to manually add 8 ingredients to say, a 24-channel compounded I.V. Bag); faster pumping rates (18 ml/second); automatic labeling of the I.V. Bags (to reduce manual errors in labeling); digital and/or Bar-Code recognition of source-ingredient containers (to eliminate source-ingredient error); within an ISO-Class 5 sealed chamber [including overnight UV-lamps sterilization] that can enable Health-System Pharmacists to compound TPNs anywhere, anytime without the need for a "clean room"; and with greater sterility than traditional open compounding units, simultaneously filling 15 I.V. Bags (up to 3 liters each) without operator assistance", stated Gaspar DeViedma, Health Robotics' architect of Health Robotics' **i.v. Room of the Future**, and co-developer with Mr. Giribona of TPNstation.

"Although current TPN machines are regularly labeled as "automated TPN compounders", the fact of the matter is that they all leave many tasks to memory and distraction of human operators, making them susceptible to errors, staff shortages, and other I.V. Room industry issues. A much more suitable label for the current units available in the market should arguably be: "partially-automated solutions". As we have historically done with most of our other I.V. Room solutions, we will seek at ASHP early adopters for this revolutionary technology amongst the global Health-System Pharmacists attending the conference, and plan meetings with current and prospective business partners that can help market and support TPNstation when we finally release it to the general market in the future. I'm confident of the fact that since we are re-utilizing some of the i.v.STATION technology [identical footprint] and our existing TPN CPOE [powered by MEDarchiver], this should both reduce research and development expenses and significantly cut the time-to-market after we receive detail feedback to the TPN concept we are presenting at ASHP in Las Vegas", stated Werner Rainer, Health Robotics' CEO.



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About Health Robotics:

Health Robotics is the undisputed global leading supplier of life-critical intra-venous Medication Admixture robots, providing healthcare facilities in four continents with robotics technology and software automation solutions. Its world-leading solutions CytoCare™ [hazardous IVs], i.v.STATION™ [non-hazardous IVs], i.v.SOFT™ [workflow engine for manual compounding] and the future development of TPNstation™ [totally-automated parenteral nutrition] have and will greatly contribute to ease hospitals' growing pressures to improve patient safety through the effective and efficient production of sterile, accurate, and ready-to-administer IVs; to eliminate life-threatening drug-exchange errors and to decrease other medication errors and sterility risks; and to work more efficiently, increase throughput, reduce waste, and contain costs. Additional benefits derived from Health Robotics' vision to complete the *i.v. Room of the Future* include improving the situational awareness of the I.V. Medication Management processes across the continuum of care, enhancing pharmacy-nursing patient-focused communications, introducing holographic user interfaces to the clean room, and reducing the gap between rising patient volume/acuity and scarce nursing and pharmacy staff. For more information, please visit <http://www.health-robotics.com>

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